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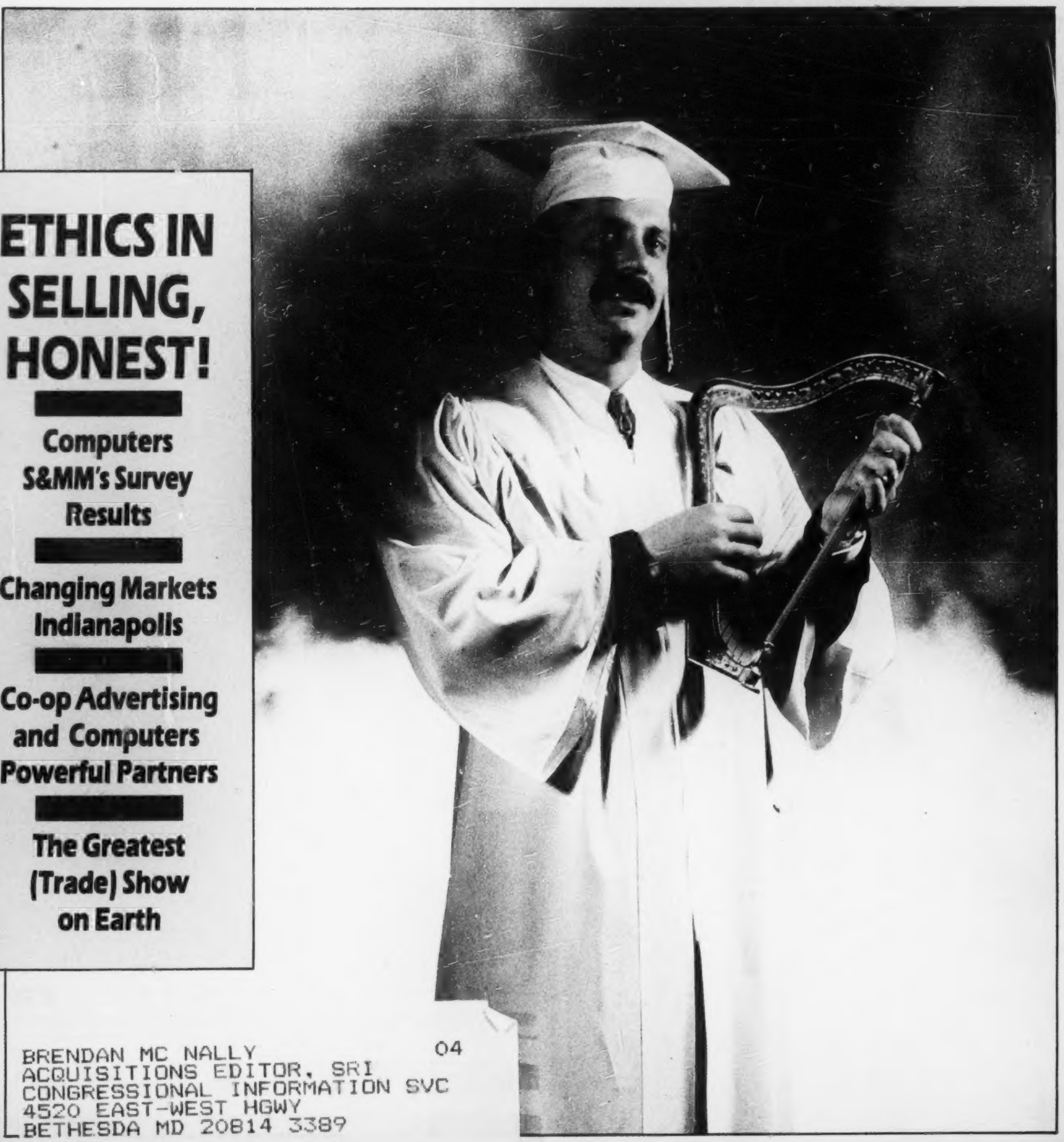
Sales and Marketing MANAGEMENT



ETHICS IN SELLING, HONEST!

Computers
S&MM's Survey
Results

Changing Markets
Indianapolis

Co-op Advertising
and Computers
Powerful Partners

The Greatest
(Trade) Show
on Earth

BRENDAN MC NALLY 04
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Sales and Marketing MANAGEMENT

Established 1918 **Contents / May 1987**

Short Takes

Sales Management

26
Recruiting
GA helps dealers hire the best

Sales meetings
Learning to go for baroque

27
The job market
Quick, get me a field sales manager

Sales forces
Where IBM still leads the way

29
National accounts
American-National's fruitful marriage

Marketing Management

30
Franchising
Inns on the outs

Market development
Will Congress thwart the dreaded DAT?

Industrial markets
Hard times for machine tool marketers

31
Retailing
Aca Joe makes a go

32
Electronic technology
Du Pont: the right product at the right time

34
Food packaging
Healthy foods serve up a healthy bottom line

Features

42
Ethics in selling, honest!
What makes marketers upright? Is it their education, upbringing, or the ethics courses employers are now insisting they take?

45
Marketing Indianapolis: Sports and statistics to numb the mind
The turnaround of a city that has put its dollars where its heart is: building facilities that build the spirit of its people.

50
Computers in sales and marketing: PCs boost productivity
An S&MM survey shows that sales executives credit PCs for average productivity gains of 43%.

54
The greatest (trade) show on earth
What trade show has an exhibit that costs $5 million and a hospitality suite that draws 2,000 thirsty construction executives? Conexpo, the show so big it's held only every six years.

56
Co-op advertising and computers: Powerful partners
Computer programs help manufacturers speed up co-op reimbursements to retailers and stimulate increased use of co-op funds.

Newsletters

38
Industrial Newsletter

64
International Newsletter

37
Marketing Newsletter

Departments

89 Advertisers' Index
77 Advertising
22 Books
61 Changes in the News
82 Compensation
70 Computers in Sales & Marketing
21 Demographics in Action
6 Editor's Side Pocket
68 Ideas You Can Use
29 Letter from the Publisher
10 Letters to S&MM
60 Marketers, Et cetera
79 Meetings
62 On the Road
85 Promotion
15 S&MM Viewpoint
76 Sales Force Management
88 Sales Mart
90 Significant Trends
93 Worth Writing For

Cover:
Business scandals such as Wall Street's insider trading debacle scare corporations into pursuing the straight and narrow.
Cover photo: Joe Bevilacqua

VOL. 138, NO. 7 S&MM **Sales and Marketing Management** ISSN 0163-7517 is published monthly except in February, April, July, and October, when it is published twice a month, by Bill Communications Inc., 633 Third Avenue, New York, NY 10017. Telephone: 212-986-4800. Copyright © 1987 by Bill Communications, Inc. All rights reserved. Subscriptions in the U.S. and its possessions, $38. Canada, $52 (U.S.). Foreign, $67 (U.S.). Allow 4 to 6 weeks for first issue to arrive. Second Class Postage paid at New York, NY, and at additional offices. Postmaster: Send address corrections to *Sales and Marketing Management*, Subscription Service Department, P.O. Box 1025, South Eastern, PA 19398-9975. Member of the Audit Bureau of Circulations, Association of Business Publishers and Magazine Publishers Assn.

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er. Beyond that, he envisioned mental spas akin to today's physical fitness centers.

Such attention to hardware is in the conference center tradition, but another speaker hinted that even the poshest skies have their limit. Said Peter Balesano, senior vice president of Harrison Conference Services, Marlboro, MA: "How can conference centers keep raising rates at a time when meeting planners are having their budgets cut?" Everyone seemed to remember that one, even without the music.

The job market

Quick, get me a field sales manager

If you're a field sales manager, your chances of finding a new job are better than most others in sales or marketing today, a new survey by Biestek & Pasini, a Des Plaines, IL, recruiting firm, shows. Your chances are even better if you're located in—or are willing to move to—the Southeast. And they go through the ceiling if you sell financial services.

The recruiting company's tenth such survey since 1982 compares national hiring trends (as shown in help wanted ads in major U.S. newspapers) in the last half of 1986 with the last half of 1985. Total demand for sales and marketing executives rose by 6%, notes Raymond J. Pasini, with field managers and sales/marketing managers specializing in international sales most in demand. Both categories had a 9% increase last year. Lowest in the survey, but still showing a 3% gain over 1985, are market research managers, marketing services executives, and national accounts sales managers. Hiring was up everywhere except in western states, which showed a 6% drop.

As companies continue to make themselves leaner, middle-management marketing executives continue to be the favorite targets, Pasini notes. A silver lining: Such executives, reports Gundersen Partners, a New York City–based recruiting firm, "are in demand as marketing vice presidents at smaller, regional companies." This is particularly true of packaged goods manufacturers, it adds.

Meanwhile, field salespeople would seem to be the leaders of the pack in job security. In its recent survey of sales vice presidents, Salesworld, a recruiter based in Fort Lauderdale, FL, discovered that these executives' top performers have been on the job an average of 10 years.

SURVEY DATAFACT

Motor City still rolling

Even though it has suffered its share of economic woes, the Detroit metro area continues to make a strong showing in the rankings of the nation's top manufacturing metros. Shipments in 1986 of $70,817,000,000 place the Motor City third out of a total of 317 metropolitan markets nationwide, comprising a 3.3% chunk of all manufacturing shipment dollars in the U.S.

Source: S&MM's *1987 Survey of Industrial & Commercial Buying Power*

Sales forces

Where IBM still leads the way

IBM is taking its lumps these days, but it retains one coveted laurel that no one has displaced: the computer industry's most productive sales force. At a recent meeting of the Diebold Research program, Ulric Weil, head of Ulric Weil & Associates, Washington, DC, presented data comparing the sales force productivity of nine leading computer companies.

To no one's surprise, IBM's sleek sellers far outdistanced rivals, racking up $2.5 million per salesperson, more than one-third better than runner-up Honeywell Information Systems and more than double that of archrival Digital Equipment Corp. (DEC), source of many of IBM's woes.

Weil, known as one of the more astute industry observers when he toiled for Morgan Stanley, traces IBM's leadership to "its critical mass. Its customer base is so dense that a rep can spend his day going up and down an elevator in a tall building calling on accounts, whereas a rep for another firm might have to travel several blocks or miles between customers."

Weil's figures contain some startlers. For one, Burroughs, which recently bought Sperry, could learn some selling tricks from its new bride, since its own sales force pro-

Computer marketers' sales productivity

Company	1985 Revenue ($ Mil.)	No. of Sales Reps	Revenue per S/R ($ Thous.)	S/R % of Total Employment
IBM	$50,056	20,000	$2,500	4.9%
Honeywell[1]	1,825	1,000	1,825	6.7
Sperry	3,423	2,000	1,712	5.0
NCR	4,317	3,000	1,439	4.8
Wang	2,352	2,000	1,176	6.3
DEC	6,686	6,000	1,114	8.6
Burroughs	5,038	5,500	916	9.1
Prime	770	860	900	10.6

[1] Information Systems, U. S. only.
Source: Ulric Weil & Associates

ductivity is about half that of Sperry. For another, Prime's sales executives, who always boast that their salespeople are the industry's second most productive, will be chagrined to find their reps at the tail end of Weil's rankings.

Weil cautions that his figures, culled from a variety of contacts, "are not blessed with holy water." An even more valuable ratio, he says, "would be value-added per employee, but that's impossible to estimate because U.S. corporations don't have to provide information on the value they add to a product, although in Europe companies are required to do so."

Letter from the Publisher

Joe Migliore

Our Third Annual Sales & Marketing Conference & Expo will be held at the Palmer House in Chicago, June 22-24. Because this is *the* sales and marketing event of the year, I urge you to attend and develop the competitive strategies that can put *your company* and *your career* over the top.

The Special Session on Wednesday morning, June 24, is indeed very special. I'm looking forward to hearing what guest speaker Pat Choate has to share with us.

Although Pat is the Director of Policy Analysis for TRW, Inc., he is regarded as a spokesman only for himself. Presidential candidates as well as bipartisan congressional leaders ask for his advice, and, as chairman of the Congressional Economic Leadership Institute (CELI), he is working to bring the issue of industrial competitiveness to the top of the national agenda in the upcoming elections.

Identified by the *National Journal* in 1986 as "one of America's ten most influential businesspeople in affecting what government does," Pat has authored *America in Ruins, Being Number One, Thinking Strategically*, and, most recently, *The High-Flex Society*. I know we will all gain insights from his experiences and thoughts.

The sales and marketing event of the year—presented with the joint cooperation of the American Management Association and *Sales and Marketing Management* magazine—will provide you with the opportunity to learn through top-notch seminars and exhibits.

Please consider this a personal invitation to attend and participate.

See you in Chicago. Joe Migliore

National accounts

American-National's fruitful marriage

When two companies merge, the first order of business in the sales department is to hold on to the old customers of both. The next is to add new accounts by stressing the benefits of doing business with one company that combines the strengths of two. The recently forged American-National Can Co. seems to be well along in phase two, lining up an impressive list of customers including Quaker Oats, Campbell Soup, American Home Products, and Stroh's Brewery.

The Chicago company was created last year when Triangle Industries bought American Can and merged it with its own National Can subsidiary. The resulting packaging combine assumed the No. 1 spot in the industry with $3.6 billion in sales, outdistancing Connecticut-based Continental Can.

Management feels that the newly born packaging giant is well poised for success, given that food companies are beginning to abandon the practice of manufacturing their own containers as they find it cheaper to buy from packaging firms. What's more, American Can is known for its innovative technology and brings a powerful capability for new product development to the party. "We have been fortunate enough to be able to keep developing new products in a mature industry," says Frank Considine, the CEO of the new company who previously headed National Can.

For example, American-National's new two-piece can for food companies, modeled after those produced for the soft drink industry, has attracted the interest of Campbell Soup and Quaker Oats. Most cans in the food industry have three pieces. Although Campbell already buys many containers from packaging companies, its deal with American-National represents the first long-term manufacturing contract for the soup company.

American-National has let it be known that it is willing to buy and renovate a customer's aging manufacturing plants, one of the moves that has landed it some new accounts. The company recently purchased three plants from Detroit-based Stroh's and now supplies the brewer's beer cans.

"Our strategy is to be the low-cost operator," says Considine. "If not, we shouldn't be in business."

Computers in sales and marketing:

S&MM's Survey Results

PCs help boost sales productivity 43%, marketers report.

PCs are living up to their potential for helping boost sales force productivity, according to a survey conducted by *Sales and Marketing Management*. By an overwhelming margin (71%), marketers whose salespeople either use or have access to PCs report that they're proving to be an effective aid in improving sales force performance. The average productivity gain, weighted by sales force size: an impressive 43%.

Other key survey findings:

- **Customer/prospect files are, by far, the most popular PC application** used by salespeople because they handily distill and organize the information a rep needs.
- **Sales presentations, surprisingly, rank high among PC applications,** reflecting, on the one hand, the advent of economical graphics software and, on the other, the greater importance visuals play today.
- **Marketers plan to shift their emphasis from desktops to portables** in future buying plans as awareness of the need to give reps a tool they can use round-the-clock (see S&MM, April 1987) grows.
- **Top management disinterest, cost, lack of software, and difficulty in changing ingrained habits** are the leading reasons cited by marketers who have not installed PCs.

S&MM's survey, based on 200 responses (usable: 185, with 7,625 sales reps) to a postcard questionnaire inserted in the December 1986 issue, was not intended to measure PC penetration. In fact, the three out of four respondents using PCs—a ratio remarkably consistent among sales forces of all sizes—vastly dwarfs the situation in the real world. A recent survey of PC sites by researcher International Data Corp., Framingham, MA, found a 15% penetration in sales departments, and InfoCorp, a San Jose, CA, researcher, projects that by 1991, 28% of all salespeople will use PCs on the job. Thus, S&MM's survey respondents represent the leading edge of PC users in marketing, and their comments provide insights on why PCs will become standard issue for salespeople.

While, overall, respondents report a 43% productivity improvement (see Table 1), small firms (under 10 salespeople) cite a 35% gain, medium-size outfits (10-99), 27%, and large companies (100 and over), 45%.

PC-based productivity gains turn up in various areas: "Higher closing ratio," says the president of a software firm; "Increased call frequency," adds the marketing director of a chemical specialties producer; "Better account management," notes the sales director of a medical products firm, "led to a significant dollar increase of our installed base." Comments the sales vice president of an electronic components company: "More effective lead follow-up and tracking."

Spurring the productivity gains is the more efficient management of resources, especially time and information, that the PC provides. "More efficient time management," notes the national sales manager of an electronics firm experiencing a 30% productivity gain, "leads to better customer service." His theme is repeated by others: "More time to make sales calls," says an electronic components executive; "More time face to face," according to the executive vice president of an audiovisual equipment supplier; "Less time preparing proposals and quotations," reports the president of an office equipment concern.

Not surprisingly, customer/prospect profiles are the favorite PC application across sales forces of all sizes (see Table 2). That's because, of course, such software organizes in systematic, helpful fashion the basic information a sales rep needs to prepare for, and execute, the kind of a sales call that produces orders. Reporting a 40% jump in sales productivity, the sales manager of a systems control outfit links it to such profiles. The marketing vice president of a Midwest marketer notes the profiles produce "better follow-up from not losing leads."

Producing stronger sales presentations is another area where the PC scores big. PC-based presentations helped sales productivity jump 100%, reports the marketing manager of a computer firm; 40%, says the CEO of a health and beauty aids marketer; 30%, adds the general sales manager of a television equipment maker.

The advent of cheaper graphics software, improved letter-quality printers, and economical slide-producing capability all make the PC enhance the sales call with striking visuals and, in addition, produce more attention-grabbing leave-behind material. Then, too, the faster turnaround offered by producing PC-based visuals in-house gives the sales rep more flexibility.

Among the other ways that the PC is helping sales reps perform more productively: "Tracking problems," says the sales vice president of an insurance agency; "Account management," according to the president of a consultant firm;

"Greater accuracy in forecasting," adds a paper manufacturer executive; "More systematic work," a cement producer executive comments; "Quality of work and response time," the sales research manager of a pharmaceutical firm reports.

Still, despite the growing evidence of the PC's salutary effects on sales performance, a hard core of holdouts remains, its views capsuled by the national sales manager of an industrial controls company: "We don't see it as a sales tool." The most frequent reasons cited by the naysayers: "Management doesn't believe they can help in selling," from a masonry firm manager; "The cost efficiency is questionable," says the vice president of an advertising sales agency; "We have yet to find the right software," according to a packaging materials executive.

Naturally, there are strong human factors involved, too. "Older salespeople are reluctant to change their ways," a printing company manager contends. "Fear of computers and lack of keyboard skills," adds an OEM executive. "Some salespeople are just not motivated to improve themselves," rues the marketing director of a value-added reseller in the health care field.

There's concern that the learning curve will detract from valuable selling time. "Too much time to set up and maintain the system," an insurance company's district sales manager worries. "Top management is concerned it will take too much time to learn how to use them," adds the sales manager of an office products firm.

Despite these obstacles, there's evidence aplenty that the ranks of holdouts will shrink. More than two out of five of the companies without PCs plan to take the plunge this year (see Table 3). Equally significant, while desktops dominate among current users, more than half of those planning to acquire a PC this year will buy laptops. The message is clear: To avoid being put at a competitive disadvantage by progressive competitors, the laggards will have to step into the age of sales automation.

Thayer C. Taylor, Senior Editor

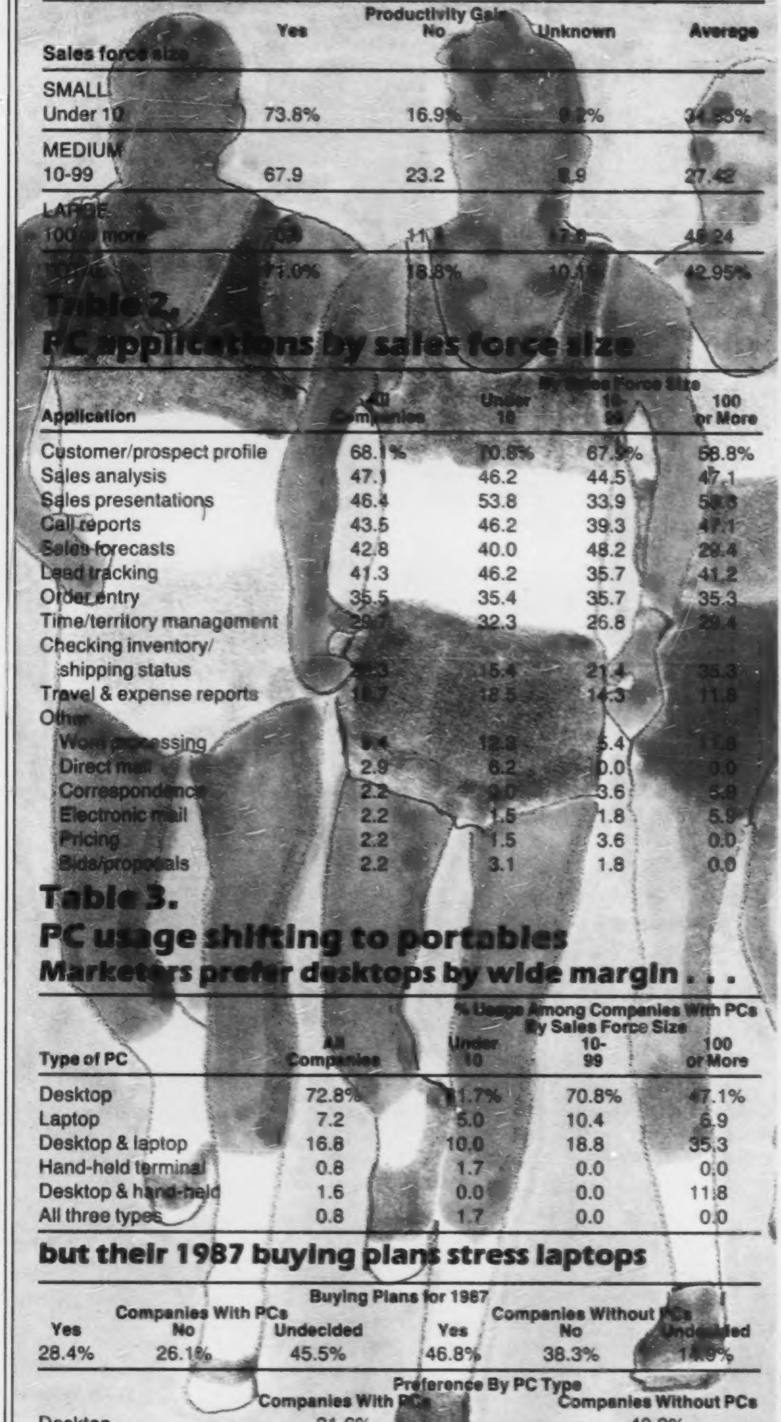

Table 1.
Productivity improvement by sales force size

Sales force size	Productivity Gain Yes	No	Unknown	Average
SMALL Under 10	73.8%	16.9%	9.2%	34.85%
MEDIUM 10-99	67.9	23.2	8.9	27.42
LARGE 100 or more	70.6	11.8	17.6	45.24
TOTAL	71.0%	18.8%	10.1%	42.95%

Table 2.
PC applications by sales force size

Application	All Companies	By Sales Force Size Under 10	10-99	100 or More
Customer/prospect profile	68.1%	70.8%	67.9%	58.8%
Sales analysis	47.1	46.2	44.5	47.1
Sales presentations	46.4	53.8	33.9	58.8
Call reports	43.5	46.2	39.3	47.1
Sales forecasts	42.8	40.0	48.2	29.4
Lead tracking	41.3	46.2	35.7	41.2
Order entry	35.5	35.4	35.7	35.3
Time/territory management	[illegible]	32.3	26.8	29.4
Checking inventory/ shipping status	[illegible]	15.4	21.4	35.3
Travel & expense reports	16.7	18.5	14.3	11.8
Other				
Word processing	9.4	12.3	5.4	11.8
Direct mail	2.9	6.2	0.0	0.0
Correspondence	2.2	0.0	3.6	5.9
Electronic mail	2.2	1.5	1.8	5.9
Pricing	2.2	1.5	3.6	0.0
Bids/proposals	2.2	3.1	1.8	0.0

Table 3.
PC usage shifting to portables
Marketers prefer desktops by wide margin . . .

Type of PC	All Companies	% Usage Among Companies With PCs By Sales Force Size Under 10	10-99	100 or More
Desktop	72.8%	81.7%	70.8%	47.1%
Laptop	7.2	5.0	10.4	5.9
Desktop & laptop	16.8	10.0	18.8	35.3
Hand-held terminal	0.8	1.7	0.0	0.0
Desktop & hand-held	1.6	0.0	0.0	11.8
All three types	0.8	1.7	0.0	0.0

but their 1987 buying plans stress laptops

Buying Plans for 1987 Companies With PCs Yes	No	Undecided	Companies Without PCs Yes	No	Undecided
28.4%	26.1%	45.5%	46.8%	38.3%	14.9%

Preference By PC Type	Companies With PCs	Companies Without PCs
Desktop	31.6%	40.9%
Laptop	52.6	50.0
Both	10.5	4.5
Undecided	5.3	4.5

Note: Details may not add to 100% due to rounding.
Tables prepared by Thayer C. Taylor. Source: *Sales and Marketing Management* survey

Illustration: Frank Sargenti

Scitex America, who will discuss how his company uses sales software to focus its salespeople on customers most likely to buy (S&MM, December 1986), and Harvey Poppell of Broadview Associates, who will describe how information technology will radically reshape the sales and marketing function in the future.

Babson's Dr. Hubert Hennessy, conference organizer, says the format is slightly different this year in that workshops will replace panels where software executives described their company packages. The workshops, he adds, will provide attendees hands-on experience with such subjects as on-line sales management and automated telemarketing.

For further information, call 617-431-1088.

SOFTWARE DIRECTORY ADDITIONS

The following vendors were inadvertently omitted from the *Directory of PC-based Sales and Marketing Applications Software* in S&MM's December 1986 issue. Please add them to your copy.

LEAD TRACKING

Sales Productivity Group
Sales Producer
Prospect tracking and sales information reporting system that includes profiling, follow-up, sales order entry, and other features
256K
$695 (free demo disk available)
Compatible with MS-DOS, Unix, Zenix and Novell operating systems
Sales Productivity Group Inc., 2416 21st Ave. South, Nashville, TN 37212 (615-292-8344)

SALES PLANNING

InstaPlan Corp.
InstaPlan
640K with hard disk; 512K with dual floppies. Forward planning tool that integrates outlining, project management, and spreadsheet as well as producing overheads and hand-outs.
$99 ($50 for InstaPlan Tracker option to compare current activity against plan)
IBM PCs and compatibles
InstaPlan Corp., 655 Redwood Hwy., Mill Valley, CA 94941 (415-389-1414 or 800-852-7526)

TELEMARKETING

Remote Control Computer Support Group
TeleMagic
Telemarketing program features built-in scripting that allows instant modification of sales presentation in response to prospects' replies
256K
$95
PC-,MS-DOS compatible
Remote Control Computer Support Group, 1320 Ocean Ave., Del Mar, CA 92014 (800-992-9952)

PCs mixed outlook in 1987

Two of the leading computer industry research firms see sharply contrasting fates for PC sales this year. Dataquest, San Jose, CA, projects an 11.3% rise in unit shipments in the U.S. market while International Data Corp., Framingham, MA, envisions flat sales.

IDC, which recently concluded a round of client briefings, says 1987 will be the third straight year of slow growth for the computer industry. David Moschella, vice president, systems research, says that based on a survey of 750 sites that account for 60% of EDP expenditures, user spending will rise 4%–6%, but outlays for PCs will jump 7%–11% versus 6%–10% for minis. His mainframe outlook ranges from a 2% cutback to a 2% rise.

Segmentation will begin to characterize the PC market, says Aaron C. Goldberg, vice president, microcomputer services. "The initial segmentation is between low-cost mail order clone systems and dealer-oriented, mid-priced 'compatible' suppliers," he says. "Additional segmentation is starting along corporate versus individual purchase lines, and future segmentation may involve 'me too' versus 'me new' products."

IBM is segmenting its PC business internally, he adds, "into expendable versus nonexpendable businesses. By the end of 1987, it will have products clearly targeted at large user accounts and an 'open standard' market supported by resellers." Dataquest sees IBM "introducing a new low-end PC for home and education priced at $900, replacing the current IBM PC."

IBM will continue to lose market share, Goldberg says, predicting an outside possibility that Apple may topple it as the No. 1 PC seller. Helping Apple's chances: "The new Macintosh models, a convincing library of business software, stronger links to host environments (especially DEC), the most useful desktop publishing tool, and a value-added sales approach."

Dataquest, too, sees "the new Macintosh versions strengthening Apple's image as a supplier to the business environment."

Up or flat—take your pick

Unit PC Shipments (000)

	U.S. Market			% Change	
	1985	1986	1987	1985–86	1986–87
IDC	5,621	6,365	6,421	+ 13.2%	+ 0.9%
Dataquest	6,400	7,100	7,900	+ 10.9	+ 11.3

Software for the salesperson who hates keyboards

A sales software program aimed at salespeople with keyboard phobia will be unveiled this month by Chang Labs, San Jose, CA. Called C.A.T. (Contacts-Activities-Time), the program runs on Apple's Macintosh Plus, SE and II, costs $395, and features a mouse that the salesperson uses to give the computer its commands.

Gary Chappell, marketing director, calls the program "a relational database that's organized the way a salesperson thinks. A salesperson just points the mouse at a particular account, and the names of all his contacts there will appear on the screen. He then points the mouse at a specific name, and all his face-to-

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Sales and Marketing
MANAGEMENT

APRIL 27, 1987 A BILL PUBLICATION THIRTY-FIVE DOLLARS

SURVEY OF INDUSTRIAL & COMMERCIAL BUYING POWER

SECTION I: SURVEY FEATURES

SECTION II: 1986 U.S. TOTALS FOR 4-DIGIT SIC INDUSTRIES

SECTION III: 1986 STATE & COUNTY SIC TOTALS

1987

S&MM

Established 1918

April 27, 1987

Contents

1987 Survey of Industrial & Commercial Buying Power

SECTION I
Survey Features

8

SICBP: Get Closer

Yesterday's product-centered selling philosophy brought many companies success, but in today's more sophisticated marketing climate, the trick is to get as close to your marketplace as possible. In both consumer and business-to-business sales, quality data provide the critical advantage that is necessary to increase your bottom-line results.

10

Indianapolis: A Profile of Industrial Change

In part I of this two-part series, we look at how the city's industrial complexion has changed in recent years and how the manufacturing vs. services question is being addressed. Next month, in our May issue, we will examine consumer demographics and the city's sports-as-savior mentality in part II of this Changing Markets feature.

33

Trinet and the Census Bureau: Why They Don't Agree

Marketers who compare *SICBP* data with the Census Bureau's *County Business Patterns* series should be aware of the basic differences between these two sources and the problems they might cause when used in tandem.

36

SIC: The System Explained

An in-depth examination of the 2-, 3-, and 4-digit industry classifications used in the *SICBP*, according to the federal government's definitions for its Standard Industrial Classifications system.

Survey Highlights

18

2-digit Major Groups ranked by shipments

22

The 50 leading metro markets in manufacturing activity

23

Profile of the nation's 25 largest nonmanufacturing industries

26

State summaries of manufacturing industries

29

The top 50 counties in manufacturing shipments

32

Profile of the nation's 50 largest manufacturing industries

SECTION II
Survey Statistics

40

1986 U.S. Totals for 4-digit SIC Industries

Establishment, shipments/receipts, and employment totals for more than 450 4-digit manufacturing and nonmanufacturing SIC industries.

SECTION III
Survey Statistics

44

1986 State & County SIC Totals

State-by-state listings of county totals for manufacturing and nonmanufacturing industries surveyed in this year's *SICBP*.

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SICBP: Get closer

When you consider the process of marketing decision making, it's remarkable how so many decisions are made without the use of accurate market data. This is primarily due to the fact that this is a relatively new field. In fact, it's only in the last decade or so that information has been available that allows you to be more precise in your business-to-business marketing decision making. Naturally, marketers have moved hundreds of billions of dollars of goods without access to this kind of information, but today, the business environment is so competitive that to make decisions without consulting the available data simply doesn't make good business sense.

Years ago a business could become successful on the strength of its product alone. In fact, some of our largest, most successful companies got that way by focussing their attention solely on the product, with little emphasis given to the specifics of the marketplace. When you examine the structure of the marketing organizations that are in place in these firms, you find that the people, the systems, and the procedures are still primarily product-centered. This is because it is much easier to get information from the corporate end about shipments and billing than it is to obtain data detailing the marketplace.

One way to describe the history of business-to-business marketing information is to say that for the most part, business products have been bought, not sold. A company typically determined its needs and then went to the marketplace to select the products and services that best met those needs. In the 1980s, as technology and worldwide markets expanded, it was found that the number of products in the marketplace that meet customers' needs was larger than ever before. This, in effect, offers companies a broad selection of products, none of which have a totally unique product differentiation. With this kind of situation, effective marketing may present the best method for creating such differentiation. This kind of thought process, which is so crucial to business success, is becoming the focus of decision making for many companies. The kind of information contained in the *SICBP* is designed to support these efforts to become more "thought-process" oriented.

According to a recent survey conducted by *Sales and Marketing Management* magazine (February 16, 1987), the total cost of supporting a salesperson in 1986 was $77,332 for the industrial sector and $71,753 for the service sector. Considering that the cost of closing a sale in many industries has jumped from $600 to over $5,000 in the past 15 years, it's not surprising that marketing operations are under increasing pressure to perform more effectively. Business executives today understand that marketing productivity represents a critical advantage—one that dramatically impacts the company's bottom line.

The challenge that exists today is to determine how to maintain increasing productivity in the face of a constant stream of changes in the marketplace. Marketing and sales plans carefully designed for one year now require extensive review and alteration before they can be used for the next. The key to success, therefore, is to have the right information at the right time. Clearly, we cannot escape change in the marketplace, but we *can* understand it, learn to anticipate it, and use this information to our advantage to support our decision making.

S&MM and Trinet have met this challenge by assembling the *Survey of Industrial & Commercial Buying Power (SICBP)*. The information presented here is the most accurate and up-to-date data available on the business-to-business marketplace. And to ensure that this information remains both relevant and reliable, Trinet has recently completed a detailed telephone interview with every plant location reported in this issue. That means that since last year's *SICBP*, every plant location in the U.S. has received a call from one of Trinet's market researchers, and this research has been used to update the information contained in the *Survey*'s data sections. More than 1.5 million individuals have been contacted at over 300,000 firms to collect these updated statistics. More than 5,000,000 facts concerning business activity at these sites have been entered into Trinet's

Yesterday's product-centered selling philosophy brought many companies success, but in today's more sophisticated marketing climate, the trick is to get as close to your marketplace as possible. In both consumer and business-to-business sales, quality data provide the critical advantage.

database. All of this work has been done so that your company will have the most accurate business-to-business information possible to make sound and intelligent marketing decisions.

Once all of this information has been collected, a number of summary report programs are developed and run against the database. The results of these analyses are then displayed in the *Survey*'s data sections. The data summarized are produced in a format that most *Survey* users find to be of the greatest value, using the county as the basic geographic building block. If these particular geographic summaries don't meet your specific needs, however, S&MM and Trinet also produce these data on diskette so that the information contained in the *Survey* can be manipulated and displayed in the manner that best suits the needs of users with their own PCs.

Many sales and marketing executives contact us during the course of the year with questions about the *Survey* and also to comment on the many ways they use this information. Almost every caller explains that—quite naturally—there is an accelerated effort under way at their company to reduce sale expenses and increase revenues. Consequently, these marketers rely heavily on S&MM's data to make it possible for them to target the right geographies and the right industries. Still, it is only when the information presented in the *Survey* is examined and analyzed from your own personal perspective that it then becomes valuable as a sales and marketing tool.

As you examine these data, you may want to formulate a list of key marketing topics. Questions such as "What type and size of establishment represents a high potential for my particular product or service?"; "Where are these establishments concentrated geographically?"; "Are my sales offices and distribution centers located near these prime markets?"; and "Are my sales to each of these markets proportionate to the number of high-potential prospects in that territory?" are all easily answered by examining *SICBP* data. In addition, you might want to add the following questions to your list: "Which sales offices or distribution centers outperform the norm?"; "Why do these distribution points succeed?"; "Which offices or centers do not perform well relative to the number of high-potential prospects?"; "Why are these distribution resources failing to realize potential?"; "Are there markets that appear to be substantial that are not covered by my current distribution resources?"; and "How can I effectively cover these identified territories?"

All of the above questions can be addressed through the effective use of the information contained in this issue. In fact, once you start this creative analysis process, you'll wonder how you were ever able to make effective marketing decisions without the use of such accurate and complete data. As soon as you feel comfortable using the *Survey*'s statistics, you should then consider introducing the information and analysis procedure to your management team and co-workers. If you're the director of sales for your firm, for example, educate your district and regional sales managers in the *SICBP* process of decision making. If you're a product manager, introduce the concept to other product managers at your company. The more decision making that takes place that's based on sound marketing information, the more profitable your firm will be in the future.

Given the climate of the business marketplace today, the best time to obtain a better understanding of your marketplace is right now. Everywhere we go in the business-marketing community, there is one common theme: To be successful, we must get closer to our marketplace. And there is no better way to understand your particular marketplace than by using accurate and timely marketing information. Those of us at S&MM and Trinet hope that you are able to put the information contained in this survey to an effective and profitable use, since increased profits are the kind of statistics that anyone in the business world can readily understand.

Charles W. Stryker,
President, Trinet, Inc.

CHANGING MARKETS

Indianapolis: A profile of industrial change

Indianapolis, once just another rustbelt-region relic, is in the throes of a comeback of major proportions. In Part I of this two-part series, we look at how the city's industrial complexion has changed in recent years and how the manufacturing vs. services question is being addressed. Next month: consumer demographics and the sports-as-savior mentality.

Like a lot of cities in the Midwest, Indianapolis has endured some hard times in recent years. The rise of the service economy coupled with the shift away from heavy manufacturing has left much of the nation's rustbelt in a shambles economically, a situation that is only now being rectified through the implementation of recovery programs aimed at developing emerging industries to take the place of those that have cut back, closed their doors, or moved overseas.

In Indianapolis's case, salvation has come in the unlikely form of sports—more specifically, amateur athletics—with the city embarked on a campaign to establish itself as the center of amateur sports on the North American continent. In the May issue of S&MM, we will examine how these recent changes have affected the city's consumer markets—and how this onetime agricultural and manufacturing metropolis has turned itself around attitude wise—but first let's take a look at what effect this comeback has had on the area's industrial complexion.

GREETINGS FROM INDIANA
MICHIGAN CITY
GARY
HAMMOND
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CATTLE
FORT WAYNE
PAPER
HOGS
MACHI
LOGANSPORT
RUBBER GOODS
LAFAYETTE
KOKOMO
MARION
VEGETABLES
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LAWRENCEBURG
GREENDALE
FORESTS
LIQUOR
COLUMBUS
BLOOMINGTON
AURORA
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GEORGE R. CLARK MEMORIAL VINCENNES
STONE
VINCENNES
TOBACCO
MADISON
WYANDOTTE CAVE
JASPER
NEW ALBANY
STATE FLAG
COAL
STRAWBERRIES
OIL
LINCOLN LAND
CANNING
EVANSVILLE
TELL CITY
STATE FLOWER THE PEONY

SICBP and CBP

Aside from the impressive demographic and socioeconomic statistics the city has compiled since 1980, there is another equally important aspect to Indianapolis's recovery, which is revealed by examining manufacturing and nonmanufacturing industry statistics for Marion County, the center of the Indianapolis metro area. Data from S&MM's *Survey of Industrial & Commercial Buying Power* and the Census Bureau's *County Business Patterns* series show that the area's economic resurgence—supported as it is by the more outward and visible signs of new office building construction, retail space, and general urban renewal—is only just beginning to be reflected in the county's industrial data.

If we look at *County Business Pattern* statistics on employment for 1981 and 1984 (Table 1), we see very clearly the trend toward increased services, a category that shows an astounding three-year rise in total employment of 22%. During this same period, employment in manufacturing and wholesale trade declined 9.1% and 9.2% respectively, while employment levels in retail trade rose by 8.4%.

CBP establishment totals, on the other hand, show increases in all six major industry categories, ranging from 2.1% in wholesale trade to a 21.4% rise in the number of service industry establishments, a net increase of some 1,129 units. Breaking the services category down even further, we see that certain 2-, 3-, and 4-digit subgroups have posted heavy gains, most notably Computer & data processing services (SIC 737), which shows a three-year increase of 86.3% in the total number of employees, followed by Management & public relations (SIC 7392) with a 47.9% rise. In addition, the 2-digit major group of Educational services (SIC 82) has recorded an increase of nearly 33% in total employment and a 44.4% increase in total establishments, while Business services (SIC 73) has gained nearly 4,000 employees (a 25.3% rise) and 261 establishments (up 32.3%) during this same 1981–84 period.

Manufacturing

In a very general sense, these statistics indicate that Indianapolis—like many of its sister cities in the Midwest—has begun to make the suc-

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TABLE 1

County Business Pattern data on major industries . . .

Industry/SIC	Total Employees 1981	Total Employees 1984	% Change 1981–84	Total Establishments 1981	Total Establishments 1984
Manufacturing	99,827	91,479	− 9.1%	1,104	1,179
Transportation & Utilities	23,556	23,386	− .7	494	554
Wholesale Trade	30,339	27,789	− 9.2	1,845	1,883
Retail Trade	68,215	73,978	+ 8.4	4,207	4,668
Finance, Insurance & Real Estate	38,023	37,801	− .6	1,835	2,013
Services	74,795	91,251	+22.0	5,283	6,412

. . . and for selected services, 1981–84

Industry/SIC	Total Employees 1981	Total Employees 1984	% Change 1981–84	Total Establishments 1981	Total Establishments 1984
70 Hotels & other lodging	3,989	4,848	+21.5	93	97
73 Business services	15,423	19,331	+25.3	808	1,069
737 Computer & data proc.	1,235	2,301	+86.3	70	102
739 Misc. business svc.	6,453	8,086	+25.3	366	509
7392 Mgt. & pub. rela.	1,817	2,688	+47.9	128	204
79 Amusement & recreation	2,691	3,434	+27.6	169	211
82 Educational services	3,248	4,311	+32.7	72	104
86 Membership organizations	6,991	8,170	+16.9	649	847

Source: Census Bureau, *1981 & 1984 County Business Patterns; CBP-81-16 & CBP-84-16 (Indiana)*

TABLE 2

Perennial Marion County SICs, 1975–85

SIC	Total Plants 1975	Total Plants 1980	Total Plants 1985	Total Shipments ($ Mil.) 1975	Total Shipments ($ Mil.) 1980	Total Shipments ($ Mil.) 1985	% of Total U.S. Shpmnt. 1975	% of Total U.S. Shpmnt. 1980	% of Total U.S. Shpmnt. 1985
2051	8	8	6	$ 45.9	$100.1	$ 96.5	.7%	.9%	.6%
2711	3	4	3	46.9	81.6	121.5	.5	.5	.5
2834	3	3	3	1,035.4	780.5	627.6	10.0	4.7	2.9
3519	2	2	2	452.3	638.2	667.4	9.9	6.9	7.2
3544	30	19	20	53.9	31.5	47.1	1.6	1.0	1.1
3568	3	3	4	213.9	171.7	85.6	8.6	12.8	4.7
3585	6	6	6	174.4	303.2	356.1	2.2	1.7	2.7
3652	1	2	2	73.8	82.5	183.2	12.0	5.7	6.9
3679	6	N.A.	5	334.4	N.A.	241.0	4.0	N.A.	1.4
3694	3	2	1	159.3	180.1	197.1	6.0	4.0	5.0
3713	2	2	4	119.5	201.6	63.2	6.1	6.7	2.2
3714	13	11	7	308.9	340.0	541.5	1.3	1.1	1.1

Source: Sales and Marketing Management's *1976, 1981, & 1986 Survey of Industrial & Commercial Buying Power*

TABLE 3

Missing in action: Marion County SICs listed in the 1976 SICBP, since disappeared

SIC	Description/Last SICBP Appearance	1975 Total Plants	1975 Shipments	1975 % of U.S.
2011	Meat-packing plants - 1979	2	$191.4	.6%
2731	Book publishing - 1977	6	47.3	1.4
3321	Gray-iron foundries - 1978	4	74.0	1.8
3489	Ordnance & access. n.e.c. - 1981	1	41.7	6.3
3531	Construction machinery - 1976	3	71.1	1.0
3561	Pumps & pumping equip. - 1976	5	60.7	2.2
3651	Radio & TV receiving sets - 1985	3	396.5	7.0
3661	Telephone & telegraph apparatus - 1985	1	294.8	4.8
3728	Aircraft equip. n.e.c. - 1982	6	84.2	2.2

Source: Sales and Marketing Management's *1976 Survey of Industrial Purchasing Power* cessful shift away from manufacturing, replacing traditionally heavy industries with more retailing and service-oriented jobs. At the same time, the manufacturing industries that have remained relatively strong in Marion County over the last decade (Table 2) show a number of different patterns of development, some rising, others rising and falling, and still others declining steadily in the 10-year period between 1975 and 1985. For example, Marion County figures for the 4-digit category of Pharmaceutical preparations (SIC 2834) show identical total plants figures for the three years charted, yet total shipment dollar figures have declined steadily from just over $1 billion in 1975 to $627.6 million by 1985. In addition, the county's share of all U.S. shipment dollars in this 4-digit industry has also declined, from 10% to under 3% in just 10 years.

One might assume from the statistics at hand that Eli Lilly & Co., the giant pharmaceutical manufacturer headquartered in Indianapolis, must be experiencing similar declines in its sales and profits, but this is not the case. In fact, Lilly's sales and net profit figures have increased every year since 1976, information that leads to a different set of assumptions as to what these numbers might mean. The two most likely explanations are that either the company's Indianapolis-based manufacturing operations have been scaled back in recent years or shipments at other locations have increased proportionately to take up the slack—or both. Figures from the share of total U.S. shipments column seem to lend credence to these alternatives, since Lilly's market share nationwide has shown no signs of erosion.

Another 4-digit manufacturing industry that has remained healthy is SIC 3585, Refrigeration & heating equipment. Like SIC 2834, establishment totals here have remained virtually unchanged since 1975, although shipments from the county's six plants increased by $181.7 million. At the same time, the share of all U.S. shipments figures in this category have fluctuated, falling by a half a percentage point between 1975 and 1980, then rebounding for a net increase of 1% over the next five years. Judging from the statistics at hand, this 4-digit industry segment still seems to be on relative-

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ly solid ground, and if we dig a little deeper into the available resources, we find there is a good reason for this.

An examination of the industrial classifications index to *Standard & Poor's Register of Corporations* reveals three Indianapolis-based companies listed under SIC 3585. The largest is Carrier Corporation's North American Operations center, which employs approximately 2,900 people. The other two, A-1 Compressor and Elliott-Williams Co., together employ just 160 workers, making them relatively minor players by comparison. In addition, the fact that these two smaller companies have combined sales of just $9 million allows us to safely assume that Carrier is the source of a majority of the $356 million in shipments this industry generated in 1985.

A somewhat similar pattern of development is shown in the statis-

TABLE 4

The new giants: SICs entering the rolls since 1976

SIC	Description/First SICBP Appearance	1985 Total Plants	 Shipments	 % of U.S.
2086	Bottled & canned soft drinks - 1977	4	$160.3	.9%
2522	Metal office furniture - 1986	1	166.1	4.7
2752	Lithographic comm. printing - 1977	12	147.0	.9
3443	Fabricated plate work - 1977	8	66.8	.6
3499	Fabricated metal prod. n.e.c. - 1978	7	93.1	2.0
3562	Ball & roller bearings - 1977	1	64.7	2.1
3564	Blowers, exhaust & vent. fans - 1978	5	187.2	10.0
3662	Radio & TV communication equip. - 1978	5	146.1	.4
3724	Aircraft engines & parts - 1981	2	1,056.7	8.9
3825	Electricity-measuring inst. - 1984	4	92.7	1.3

Source: Sales and Marketing Management's *1986 Survey of Industrial & Commercial Buying Power*

TABLE 5

Changes in nonmanufacturing industries, 1983–85

SIC	Description	Establishments 1983	Establishments 1985	Receipts 1983	Receipts 1985	% of U.S. 1983	% of U.S. 1985
4911	Electric services	1	1	$234.3	$354.3	.386%	.376%
5065	Elec. parts, whlsl.	10	9	457.8	511.6	2.555	2.976
5081	Comm. equip., whlsl.	20	15	167.3	212.4	1.340	1.265
5085	Indus. supply dist.	39	28	371.0	351.9	1.107	1.186
6025	Banks, Fed. reserve	4	4	701.8	884.5	.656	.731
7011	Hotels & motels	29	49	61.5	127.3	.353	.422
8062	Hospitals	12	11	837.5	855.8	.579	.544
8221	Colleges & univ.	5	4	63.3	84.4	.308	.373

Source: Sales and Marketing Management's *1984 & 1986 Survey of Industrial & Commercial Buying Power*

TABLE 6

CBP data on 2-digit retail store groups, 1981–84

SIC	Description	Employees 1981	Employees 1984	% Change 1981–84	Establishments 1981	Establishments 1984	% Change 1981–84
52	Building materials & hardware stores	1,947	2,032	+ 4.4%	168	185	+ 10.1%
53	General merchandise	10,729	9,547	− 12.4	92	83	− 10.8
54	Food stores	8,026	8,134	+ 1.3	434	482	+ 11.1
55	Automotive dealers & service stations	6,689	7,288	+ 8.9	677	668	− 1.3
56	Apparel & accessory stores	3,400	3,695	+ 8.7	449	455	+ 1.3
57	Furniture & home furnishing stores	2,276	2,832	+ 24.4	292	324	+ 10.9
58	Eating & drinking places	21,045	23,582	+ 12.1	1,022	1,287	+ 25.9
59	Misc. retail stores	8,686	10,229	+ 17.8	987	1,088	+ 10.2

Source: Census Bureau, *1981 & 1984 County Business Patterns; CBP-81-16 & CBP-84-16 (Indiana)* tics for SIC 3652, Phonograph records & pre-recorded tapes, where regular increases in shipment dollar totals are again coupled with a fluctuating SIC-industry share, although in this case the changes are a bit more pronounced. The rise in total shipments between 1975 and 1985 amounts to an increase of more than 148%, from $73.8 million to $183.2 million, while industry share declined from 12% to just 5.7% between 1975 and 1980, rising slightly over the next five years to 6.9% by 1985. The number of total plants, meanwhile, rose from one to two, which does not necessarily indicate the presence of another company in this SIC, since it could also be attributed to a split in operations within one corporation.

Figures for SIC 3714, Motor vehicle parts & accessories, show another kind of pattern altogether, with declines in establishments and industry share charted against gains in shipment dollar totals. The number of establishments in this industry—unlike those mentioned previously—has fallen steadily from 1975's total of 13, reaching 11 in 1980 and further declining to just 7 locations by 1985. Meanwhile, Marion County's share of all U.S. receipts in this industry declined only slightly from 1.3% in 1975 to 1.1% in 1980, remaining at this point through 1985. In light of these figures, the 10-year increase in shipment dollar totals from $308.9 million to $541.5 million may be more a consequence of inflation and rising prices than a result of increased output, although consolidation within certain companies in this SIC may account for the lower establishment totals over the years.

SURVEY HIGHLIGHT

2-digit Major Groups ranked by shipments

Rank	SIC	Industry	Shipments/ Receipts ($ Mil.)	Total Employees
1.	20	Food & kindred prod.	$ 300,426.9	1,558,229
2.	49	Electric, gas & sanitary services	257,957.1	623,404
3.	37	Transportation equip.	235,129.3	1,700,816
4.	35	Machinery, except electrical	223,208.4	2,176,901
5.	28	Chemicals & allied prod.	205,928.5	1,055,466
6.	80	Hospitals & health services	180,745.2	3,156,856
7.	34	Fabricated metal prod.	180,442.2	1,616,617
8.	36	Electric & electronic equip.	173,299.7	1,935,717
9.	29	Petroleum refining	159,344.8	175,597
10.	60	Banking	138,002.8	628,020
11.	33	Primary metal industries	119,228.4	900,282
12.	50	Wholesale trade, durables	95,751.0	525,933
13.	27	Printing & publishing	91,135.7	1,112,987
14.	26	Paper & allied prod.	84,053.0	675,027
15.	32	Stone, clay & glass prod.	56,580.3	603,182
16.	16	Heavy construction contractors	56,381.6	479,145
17.	38	Instruments & related prod.	50,937.1	653,863
18.	22	Textile mill prod.	50,817.2	780,319
19.	23	Apparel & other textile prod.	47,186.1	993,018
20.	24	Lumber & wood prod.	43,312.6	545,583
21.	13	Oil & gas extraction	41,888.4	128,015
22.	30	Rubber & misc. plastics prod.	39,290.6	653,919
23.	39	Misc. manufacturing industries	34,343.3	404,824
24.	25	Furniture & fixtures	32,715.4	440,952
25.	70	Hotels & other lodging places	31,067.9	880,270
26.	82	Colleges & educational services	26,691.3	550,830
27.	40	Railroad transportation	24,739.5	206,171
28.	73	Business services	19,466.0	260,476
29.	21	Tobacco manufactures	17,797.7	57,750
30.	12	Bituminous coal & lignite mining	16,248.8	136,981
31.	31	Leather & leather prod.	11,081.7	201,489
32.	10	Metal mining	3,722.9	32,923
33.	14	Nonmetallic minerals, exc. fuels	2,800.6	38,985
		U.S. Total	**$3,051,722.0**	**25,890,547**

Notes: SIC 2-digit Standard Industrial Classifications are used by the government to define major groups of industries. **Industry** is the description of the 2-digit class according to an establishment's primary product or service. **Shipments/Receipts** is the total dollar value of goods produced or services rendered. **Total Employees** shows the aggregate number of employees from establishments with 20 or more employees.
Source: Sales and Marketing Management's *1987 Survey of Industrial & Commercial Buying Power*
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The winds of change

An examination of the data from S&MM's 1976 and 1986 *Surveys* shows that—apart from the industries listed in Table 2—a number of 4-digit manufacturing industries have disappeared from the Marion County listings since 1976, while others have taken their place. Briefly, the criteria for a 4-digit industry's inclusion in the *SICBP* as a separate line under a county say that an industry must have "an aggregate employment of 1,000 or more" within the county to be listed. Therefore, when we say an industry has disappeared from the *Survey*'s listings, it does not necessarily mean that the industry no longer exists in the county, but rather that its employment levels no longer exceed the designated cutoff point. For example, looking at Table 3 we see that in 1975, SIC 2011, Meat-packing plants, recorded shipment totals of $191.4 million, accounting for .6% of all U.S. shipments in the industry. By 1979, the last year this industry was listed in the *Survey*, shipments had fallen to $163.7 million, while SIC industry share had declined to .4%. From the 1981 *Survey* on, this industry has not appeared under the Marion County listings, the implication being that it has either closed its doors or fallen below the cutoff point.

One way of discovering what has happened to such industries is to check the *County Business Pattern* listings, since the government lists all existing industries regardless of their level of employment. *CBP* listings from both 1981 and 1984 show no entry under SIC 2011, so we can therefore safely assume that the meat packing industry in Marion County is no more.

Another industry that is no longer listed is SIC 3321, Gray-iron foundries, which last appeared in the *1978 Survey*. Here again, shipment totals and industry share figures show declines between 1975 and 1977, although a check of 1981 and 1984 *CBP* data do show a listing for 3321, an indication that overall employment is down but the industry is still active in the county.

Figures for SIC 3489, Ordnance & accessories not elsewhere classified, reveal a somewhat different story for this industry. Here, *SICBP* data show a healthy rise in shipments between 1975 and 1980, from $41.7 million to $109.6 million, and an increase in industry share from 6.3% all the way up to 13.4% before this industry disappeared from the *Survey*'s listings in 1981. Once again, *County Business Pattern* listings from both 1981 and 1984 show no entry for this industry, which raises the question of what happened to this stellar performer after 1980. Relocation outside the county seems to be the most plausible answer, although there is also the possibility that this industry's Marion County operations were assimilated into other manufacturing plants in another location.

As for those manufacturing industries that have recently been added to the *Survey*'s listings (Table 4), none have shown across-the-boards increases in all three categories, although three have recorded rises in shipment dollars and share of industry. The first, SIC 3499, Fabricated metal products n.e.c. (not elsewhere classified), has increased its share of all U.S. shipments from 1.8% to 2% while recording a decline in the number of total plants from 13 in the 1978 *Survey* (the first year it was listed) to 7 in 1985. At the same time, shipments increased by $28.1 million between 1977 and 1985, a rise of 43.2% over this eight-year period.

The second new industry that is chalking up increases in both its share of all U.S. shipments and in total shipment dollars is SIC 3564, Blowers, exhaust & ventilation fans. Here, the increase in this Marion County industry's percentage of all U.S. shipments is even more impressive, rising from 4.1% in 1977 to 10% by 1985. During this same period, total shipments increased from $68.4 million to $187.2 million, a gain of almost 175%, while the number of establishments remained constant at five.

The same is true of SIC 3724, Aircraft engines & engine parts, where shipment totals have in-

SURVEY HIGHLIGHT

The 50 leading metro markets in manufacturing activity

Rank	Metro Market	1986 Shipments ($ Mil.)	% Of U.S. Total	Total Plants	Average Shipments Per Plant ($000)
1.	Los Angeles-Long Beach	$75,740	3.51%	4,475	$16,925
2.	Chicago	71,478	3.31	5,653	12,644
3.	Detroit	70,817	3.28	3,549	19,954
4.	Philadephia	52,280	2.42	3,113	16,794
5.	New York	45,640	2.12	5,292	8,624
6.	Boston-Lawrence-Salem-Lowell-Brockton	39,155	1.82	2,845	13,763
7.	Houston	35,814	1.66	1,394	25,692
8.	San Jose	30,499	1.41	806	37,839
9.	Minneapolis-St. Paul	28,077	1.30	1,578	17,793
10.	Newark	26,501	1.23	1,716	15,443
11.	St. Louis	23,283	1.08	1,412	16,489
12.	Cleveland	22,360	1.04	1,866	11,983
13.	Cincinnati	20,000	0.93	948	21,097
14.	Dallas	19,929	0.92	1,240	16,072
15.	Nassau-Suffolk, NY	19,750	0.92	1,800	10,972
16.	Milwaukee	19,361	0.90	1,227	15,779
17.	Oakland	18,366	0.85	739	24,852
18.	Atlanta	18,189	0.84	1,192	15,259
19.	Pittsburgh	18,001	0.83	963	18,693
20.	Greensboro-Winston Salem-High Point, NC	17,613	0.82	816	21,584
21.	Bergen-Passaic, NJ	17,347	0.80	1,656	10,475
22.	Baltimore	17,102	0.79	929	18,409
23.	Anaheim-Santa Ana	17,071	0.79	911	18,739
24.	Kansas City	17,029	0.79	936	18,194
25.	Middlesex-Somerset-Hunterdon, NJ	16,860	0.78	779	21,644
26.	Hartford-New Britain-Middletown-Bristol, CT	16,276	0.75	989	16,457
27.	Seattle	16,079	0.75	762	21,101
28.	Beaumont-Port Arthur, TX	15,063	0.70	116	129,854
29.	Louisville, KY	14,277	0.66	509	28,048
30.	Flint, MI	14,168	0.66	131	108,156
31.	Providence-Pawtucket-Woonsocket	13,451	0.62	1,486	9,052
32.	Columbus, OH	12,559	0.58	624	20,127
33.	Charlotte-Gastonia- Rock Hill, SC	12,379	0.57	912	13,574
34.	Bridgeport-Stamford-Norwalk-Danbury, CT	12,361	0.57	842	14,681
35.	Rochester, NY	11,069	0.51	485	22,822
36.	Wichita	11,019	0.51	319	34,541
37.	Lansing-East Lansing, MI	10,697	0.50	163	65,625
38.	Phoenix	10,665	0.49	604	17,657
39.	Fort Worth-Arlington	10,656	0.49	634	16,807
40.	Indianapolis	10,635	0.49	645	16,488
41.	Toledo	10,526	0.49	446	23,602
42.	Richmond-Petersburg, VA	10,330	0.48	367	28,147
43.	New Orleans	10,288	0.48	374	27,508
44.	Allentown-Bethlehem, PA	10,240	0.47	558	18,352
45.	Denver	10,048	0.47	651	15,435
46.	Grand Rapids, MI	9,837	0.46	752	13,082
47.	Corpus Christi, TX	9,823	0.46	89	110,366
48.	Gary-Hammond, IN	9,691	0.45	213	45,496
49.	Washington, DC	9,624	0.45	727	13,238
50.	New Haven-Waterbury-Meriden, CT	9,394	0.44	844	11,130

Notes: Shipments is the output of all manufacturing establishments with 20 or more employees located in the metro area. The **% Of U.S. Total** is the metro market's share of total U.S. manufacturing shipments. **Total Plants** shows the number of establishments with 20 or more employees. **Average Shipments Per Plant** is the mathematical average computed by dividing the number of plants in the metro into the total shipment figure.

Souce: Sales and Marketing Management's *1987 Survey of Industrial & Commercial Buying Power*

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Profile of the nation's 25 largest nonmanufacturing industries

Rank	SIC	Industry	Receipts ($Mil.)	Total Estab.	Large Estab.	Total Employees	%Receipts in Large Estab.
1.	8062	General medical & surgical hospitals	$180,745.2	6,129	4,884	3,156,856	97.47%
2.	6025	National banks, federal reserve system	138,002.8	3,913	768	628,020	80.17
3.	4911	Electric services	109,375.5	1,955	394	339,924	78.85
4.	4922	Natural gas transmission	45,707.3	690	50	42,295	52.56
5.	1311	Crude petroleum & natural gas mining	35,935.8	1,789	86	65,564	28.57
6.	7011	Hotels, motels & tourist courts	31,067.9	7,672	2,115	880,270	73.70
7.	5051	Metals service centers & sales offices	30,444.9	1,346	156	73,873	44.16
8.	4931	Electric & other services combined	29,575.0	307	89	93,621	87.57
9.	4912	Nuclear power	28,123.7	78	70	59,763	98.99
10.	8221	Colleges & universities, n.e.c.	26,691.3	1,459	931	50,830	95.61
11.	1629	Heavy construction, n.e.c.	26,391.7	1,015	280	201,287	83.38
12.	4923	Gas transmission & distribution	24,958.4	318	39	36,261	78.05
13.	4011	Line-haul operating railroads	24,739.5	299	143	206,171	96.92
14.	4924	Natural gas distribution	20,217.2	516	77	51,540	68.90
15.	5085	Industrial supply wholesalers	19.829.5	2,821	105	114,840	31.38
16.	1611	Highway & street construction	17,295.0	1,596	430	159,115	73.17
17.	5084	Industrial machinery & equip. wholesalers	17,025.5	2,784	162	118,386	28.10
18.	1211	Bituminous coal & lignite mining	16,248.8	745	340	136,981	85.50
19.	5063	Electrical power equip. wholesalers	12,612.8	1,723	114	75,596	36.70
20.	7372	Computer programming & software	11,428.9	1,025	312	150,514	80.27
21.	5065	Electronic parts & equip. wholesalers	9,754.0	734	97	49,868	51.84
22.	7374	Data processing services	8,037.1	1,205	264	09,962	66.44
23.	1622	Bridge & tunnel construction	6,754.8	321	105	46,251	80.23
24.	5081	Commercial equip. wholesalers	6,084.3	1,225	175	93,370	63.68
25.	1623	Pipe & utility line construction	5,940.1	837	151	72,492	65.84

Notes: n.e.c.—not elsewhere classified. **Receipts** records the amount of gross revenues for all establishments with 20 or more employees. **Total Establishments** is the number of establishments with 20 or more employees. **Large Establishments** is the number of establishments with 100 or more employees. **Total Employees** shows the number of employees in establishments with 20 or more employees. **% Receipts in Large Establishments** shows the share of a 4-digit industry's receipts accounted for by establishments with 100 or more employees.

Source: Sales and Marketing Management's *1987 Survey of Industrial & Commercial Buying Power*

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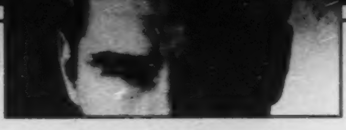

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State summaries of manufacturing industries

State	Total Plants	Large Plants	1986 Shipments ($ Mil.)	Total Employees	Avg. Shpmnts. Per Plant ($000)	Plant Index U.S. = 100
Alabama	1,977	848	$32,894.7	320,928	$16,638	98
Alaska	3	3	595.8	804	198,600	1,172
Arizona	846	239	16,645.5	139,355	19,675	116
Arkansas	1,201	528	19,604.4	199,860	16,323	96
California	9,770	3,398	187,771.6	1,478,265	19,219	113
Colorado	1,131	328	19,399.9	169,511	17,152	101
Connecticut	3,035	973	43,648.0	484,337	14,381	85
Delaware	255	84	8,188.8	42,962	32,113	189
Dist. of Columbia	132	32	2,443.5	27,427	18,511	109
Florida	3,752	1,064	48,290.6	431,944	12,870	76
Georgia	3,411	1,340	54,008.3	496,677	15,833	93
Hawaii	259	69	4,795.3	31,283	18,515	109
Idaho	274	109	5,650.3	40,787	20,621	122
Illinois	8,493	2,660	127,022.5	1,055,779	14,956	88
Indiana	3,574	1,342	66,456.6	631,644	18,594	110
Iowa	1,497	482	27,093.8	210,603	18,098	107
Kansas	1,608	374	32,741.3	186,795	20,361	120
Kentucky	1,517	600	33,481.0	257,654	22,070	130
Louisiana	1,443	494	42,756.1	194,851	29,630	175
Maine	682	280	10,065.0	109,679	14,758	87
Maryland	1,617	529	26,031.9	246,808	16,098	95
Massachusetts	4,509	1,527	59,600.7	605,525	13,218	78
Michigan	6,977	1,812	139,744.2	988,155	20,029	118
Minnesota	2,481	796	42,763.0	355,098	17,236	102
Mississippi	1,503	646	21,262.2	222,134	14,146	83
Missouri	2,899	953	43,003.5	369,610	14,833	87
Montana	173	38	2,465.7	15,338	14,252	84
Nebraska	695	218	14,248.3	90,366	20,501	121
Nevada	130	36	1,572.8	14,193	12,098	71
New Hampshire	808	302	11,405.1	115,684	14,115	83
New Jersey	6,121	1,857	88,500.5	725,515	14,458	85
New Mexico	345	97	6,323.7	44,110	18,329	108
New York	10,176	2,956	125,373.9	1,259,007	12,320	73
North Carolina	4,516	1,986	73,286.9	765,420	16,228	96
North Dakota	174	34	1,836.2	12,022	10,552	62
Ohio	7,360	2,540	127,064.4	1,101,289	17,264	102
Oklahoma	1,267	365	27,165.4	155,837	21,440	126
Oregon	1,391	436	19,865.4	162,144	14,281	84
Pennsylvania	7,433	2,724	124,945.5	1,121,834	16,809	99
Rhode Island	1,509	388	13,755.4	151,202	9,115	54
South Carolina	1,990	928	34,144.9	379,741	17,158	101
South Dakota	386	70	3,672.1	29,584	9,513	56
Tennessee	2,799	1,172	47,516.3	479,028	16,976	100
Texas	6,332	2,108	153,924.1	896,697	24,308	143
Utah	625	196	11,555.3	92,549	18,488	109
Vermont	371	123	4,350.4	46,090	11,726	69
Virginia	2,234	916	40,437.5	424,753	18,101	107
Washington	1,507	464	30,653.2	283,193	20,340	120
West Virginia	659	213	14,036.1	101,028	21,299	126
Wisconsin	3,268	1,187	59,622.0	517,353	18,244	107
Wyoming	121	30	2,579.3	10,086	21,316	126
U.S. Totals	**127,236**	**42,894**	**$2,156,258.9**	**18,242,538**	**$16,947**	**100**

Notes: Total Plants is the number of manufacturing establishments with 20 or more employees. **Large Plants** is the number of establishments with 100 or more employees. **Shipments** shows the gross value of all manufactured goods produced in the state. **Employees** is the total number of employees from establishments with 20 or more employees. **Average Shipments Per Plant** is the mathematical average computed by dividing total plants into total shipments. The **Plant Index** shows a state's average shipments per plant figure as a ratio of the U.S. per-plant average ($16,947,000), which represents par, or 100. An index figure above or below 100 indicates the degree to which a state's per-plant average differs from the U.S. norm. Details may not add up to totals due to rounding.

Source: Sales and Marketing Management's *1987 Survey of Industrial & Commercial Buying Power*

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creased from $408.2 million to $1,056.7 million since 1980 (when this industry first appeared in the *Survey*'s listings). At the same time, the county's share of all U.S. shipments in this 4-digit SIC rose from 3.8% to 8.9%, indicating sustained growth in its two establishment locations. The remaining manufacturing industries in this table have all increased their shipment dollar totals, with the sole exception of SIC 3662, Radio & TV communications equipment, where there has been a slight decline since 1977. Plant totals, on the other hand, have been relatively stable over the years, with 6 out of 10 remaining unchanged. Whether these new industries will continue to grow in Marion County remains to be seen, but the overall prospects for manufacturing continue to be strong, in spite of the fact that services and retailing are on the rise.

Nonmanufacturing

Data on nonmanufacturing industries in Marion County are a bit harder to come by, since S&MM only recently began including nonmanufacturing SICs in its *Survey of Industrial & Commercial Buying Power* and the most recent *County Business Pattern* data available at this point are those for 1984. In spite of this, we can still see the beginnings of a rise in services and retailing in the county, as evidenced by the data in Table 5. The few *Survey* listings available for Marion County show that since 1983, wholesaling and distribution-related industries have declined in their number of establishments, although total receipts (the nonmanufacturing equivalent of shipments) have risen in all but one case.

One industry where figures directly reflect the success Indianapolis has had in positioning itself as a center for athletic events is SIC 7011, Hotels, motels & tourist courts. Here, the two-year increase in the number of establishments from 29 to 49 indicates the progress of the city's marketing plan, as does the 107% increase in this industry's receipts during this same period. Naturally, the county's share of all U.S. receipts in this huge industry remains relatively small, but in light of the continuing construction of hotels in the downtown area (at least four additional hotels are scheduled to open in 1987 and 1988), it could be safely said that figures for this industry will continue their upward trend. The underlying reason, of course, is that in order to play host to such big-time sports spectacles as this year's 10th Pan American Games, the World Indoor Track & Field Championships, the World Diving Championships, and the AAU National Wrestling Championships (just to mention a few), you have to have the facilities to house the hundreds of thousands of contestants and spectators that come along with these events.

In the area of retail trade (Table 6), *County Business Pattern* data for 1981 and 1984 show increases in employment and establishment totals for all eight 2-digit store groups with only two exceptions. The first is General merchandise stores (SIC 53), where employment for the two-year period was down by 1,182 workers, a direct consequence of a decline in total establishments in this category from 92 to 83. Since 1984, however, it should be noted that a large number of new retail locations have opened their doors, the most

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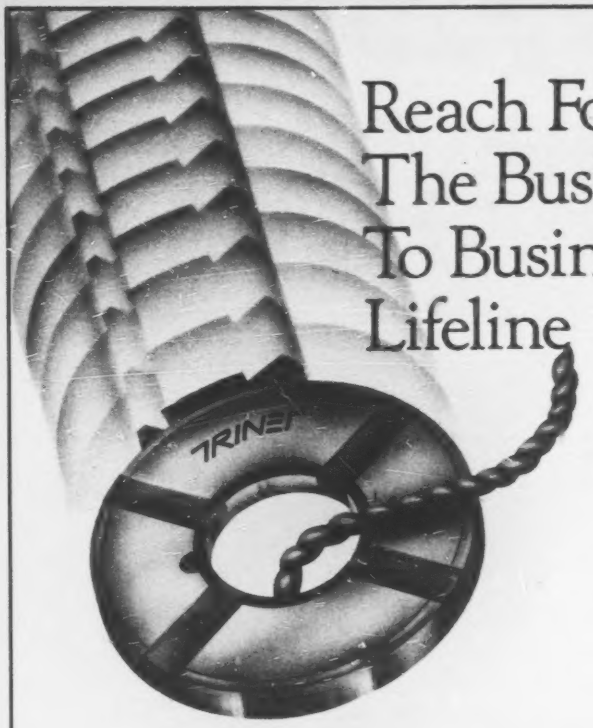

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visible being the Union Station complex, a former railway station recently converted into a retail and restaurant showcase adjacent to the city's Hoosier Dome sports facility. The only other recorded loss was in SIC 55, Automotive dealers & service stations, where an 8.9% rise in total employment was balanced against an ever-so-slight 1.3% decline in the number of establishments, a net loss of 9 from its 1981 tally of 677.

The largest percentage gain in retail employment during this same period occurred in the Furniture & home furnishings store group category (SIC 57), where employment rose by 24.4%, an increase of 556 workers. Eating & drinking places (SIC 58) also showed double-digit increases, with an additional 2,537 employees translating into a 12.1% gain in just three years. This store group category was the hands-down winner in the number of new establishments, however, gaining 265 for a 25.9% increase. The "everything-that's-left" category of Miscellaneous retail (SIC 59) also showed hefty increases in total employment, gaining 1,543 employees—a 17.8% gain—and 101 establishments, an increase of 10.2%.

Turning pro

All things considered, the industrial side of Indianapolis's plan for recovery seems to be right on track, with the rise of local service industries judiciously balanced by the notion that manufacturing is still a necessary part of any healthy economy and should not be sacrificed in favor of a blind, headlong rush into the realm of computers, restaurants, finance, and electronics. The biggest problem here is that the figures at hand tell us only the beginning of this story, since the bulk of new business activity in Indianapolis and Marion County is much more recent than the available statistics. However, coupled with the turnaround in attitude the city has experienced and the results already achieved by planners and developers, the economic situation in this once maligned midwestern metro looks to be anything but bush-league, as Indianapolis gears up to turn pro.

Richard Kern,
Editorial Director, S&MM Surveys

The top 50 counties in manufacturing shipments

Rank	County/State	Total Shipments ($ Mil.)	Total Plants	Large Plants	Average Shipments Per Plant ($000)	Total Employees
1.	Los Angeles, CA	$ 75,739.8	4,475	1,467	$ 16,925	616,132
2.	Cook, IL	63,703.5	4,881	1,474	13,051	545,986
3.	Wayne, MI	37,291.3	1,442	327	25,860	225,295
4.	Harris, TX	33,865.2	1,308	407	25,890	161,217
5.	Santa Clara, CA	30,498.5	806	380	37,839	233,219
6.	Oakland, MI	19,869.2	1,074	222	18,500	134,884
7.	Middlesex, MA	19,485.2	1,177	404	16,554	167,208
8.	New York, NY	18,862.2	2,443	517	7,720	208,637
9.	Cuyahoga, OH	18,541.3	1,508	458	12,295	180,707
10.	Dallas, TX	17,341.7	1,068	339	16,237	157,003
11.	Orange, CA	17,071.0	911	340	18,738	159,844
12.	Hamilton, OH	16,979.8	741	271	22,914	118,024
13.	Philadelphia, PA	15,835.6	992	308	15,963	128,365
14.	Genesee, MI	14,168.4	131	33	108,155	64,589
15.	Milwaukee, WI	14,090.8	754	283	18,688	133,569
16.	King, WA	13,744.6	648	178	21,210	110,204
17.	Jefferson, TX	13,724.4	89	40	154,206	22,106
18.	Middlesex, NJ	13,083.6	585	206	22,365	83,760
19.	Union, NJ	12,570.7	621	199	20,242	82,705
20.	Jefferson, KY	12,545.6	391	136	32,085	84,791
21.	Fairfield, CT	12,361.0	842	271	14,680	118,613
22.	St. Louis City, MO	12,288.5	880	269	13,964	102,422
23.	Hennepin, MN	11,903.4	927	281	12,840	125,693
24.	Allegheny, PA	11,901.5	620	199	19,195	98,319
25.	Bergen, NJ	11,751.1	1,055	316	11,138	106,486
26.	Nassau, NY	11,292.9	1,020	272	11,071	114,027
27.	Hartford, CT	10,945,5	814	250	13,446	131,152
28.	Macomb, MI	10,856.7	790	161	13,742	89,566
29.	Providence, RI	10,702.5	1,205	303	8,881	115,190
30.	Maricopa, AZ	10,664.7	604	168	17,656	99,566
31.	Contra Costa, CA	10,562.5	193	82	54,727	29,205
32.	Tarrant, TX	10,364.9	588	188	17,627	81,714
33.	Sedgwick, KS	10,081.0	305	68	33,052	60,422
34.	Ingham, MI	10,058.5	112	30	89,808	37,088
35.	Jackson, MO	9,695.2	429	115	22,599	71,077
36.	Baltimore City, MD	9,579.2	537	164	17,838	82,124
37.	Delaware, PA	9,538.2	197	60	48,417	34,178
38.	New Haven, CT	9,393.5	844	262	11,129	96,123
39.	Monroe, NY	9,225.8	345	117	26,741	104,048
40.	Nueces, TX	9,117.7	69	24	132,140	10,396
41.	Marion, IN	9,058.5	504	175	17,973	81,356
42.	Montgomery, PA	9,027.0	641	230	14,082	86,007
43.	Calcasieu, LA	8,772.3	52	19	168,698	10,847
44.	Essex, NJ	8,684.1	761	188	11,411	75,257
45.	Forsythe, NC	8,514.5	146	61	58,318	40,547
46.	Kings, NY	8,497.3	1,106	249	7,682	88,298
47.	Lake, IN	8,494.4	180	61	47,191	66,276
48.	Suffolk, NY	8,457.4	780	242	10,842	89,186
49.	Erie, NY	8,229.4	490	188	16,794	84,859
50.	Lucas, OH	8,153.4	337	101	24,194	49,883
	50-County Total	**$777,185.0**	**43,418**	**13,103**	**$17,900**	**5,998,170**

Notes: Total Shipments is the gross dollar value of all goods manufactured by plants with 20 or more employees. **Total Plants** shows the number of manufacturing establishments with 20 or more employees. **Large Plants** are those with 100 or more employees. **Average Shipments Per Plant** is the mathematical average computed by dividing total plants into total shipments. **Total Employees** is the aggregate number of employees in establishments that fit the total plants criteria. Details may not add up to totals due to rounding.

Source: Sales and Marketing Management's *1987 Survey of Industrial & Commercial Buying Power*

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Profile of the nation's 50 largest manufacturing industries

Rank	SIC	Industry	Shipments ($Mil.)	Total Plants	Large Plants	Total Employees	% Shpmnts. in Large Plants
1.	2911	Petroleum refining	$140,200.8	299	166	90,885	93.94%
2.	3711	Motor vehicles & car bodies	95,938.7	176	117	273,327	98.98
3.	3573	Electronic computing equipment	51,634.8	1,144	572	372,547	93.08
4.	2011	Meat-packing plants	44,657.8	801	299	128,113	85.66
5.	3714	Motor vehicle parts & accessories	38,236.6	1,234	628	358,137	91.80
6.	3662	Radio & TV communication equipment	33,751.6	1,188	546	354,765	92.57
7.	2869	Industrial organic chemicals, n.e.c.	31,895.0	525	231	113,623	86.99
8.	3312	Blast furnaces & steel mills	29,592.5	319	191	230,563	96.71
9.	3721	Aircraft	28,921.3	102	63	208,385	99.34
10.	3079	Miscellaneous plastics prod.	23,823.9	4,303	1,414	438,886	71.08
11.	2711	Newspapers	22,103.9	2,480	712	348,425	80.14
12.	2834	Pharmaceutical preparations	21,340.6	502	247	150,209	92.54
13.	2821	Plastic materials & resins	21,305.1	458	184	83,809	83.90
14.	3441	Fabricated structural metal	20,819.7	1,436	308	107,424	53.04
15.	2621	Paper mills	20,096.5	344	252	155,041	96.67
16.	2026	Fluid milk	19,690.9	770	307	80,456	72.35
17.	3679	Electronic components, n.e.c.	19,560.9	1,789	742	300,157	84.73
18.	3661	Telephone & telegraph apparatus	19,031.6	239	139	120,847	96.56
19.	2086	Bottled & canned soft drinks	18,987.0	1,347	381	120,994	64.70
20.	2819	Industrial inorganic chemicals, n.e.c.	17,036.4	573	218	113,262	83.31
21.	2051	Bread, cake & related prod.	15,927.5	1,179	525	169,051	83.49
22.	3585	Refrigeration & heating equipment	15,557.9	518	254	137,083	91.18
23.	2033	Canned fruits & vegetables	15,113.3	525	289	100,494	88.49
24.	2013	Sausage & other prepared meats	13,982.9	682	211	77,692	75.52
25.	3443	Fabricated plate work, boiler shops	13,590.3	1,023	283	103,310	66.58
26.	3761	Guided missiles & space vehicles	13,209.4	60	38	97,832	99.26
27.	2111	Cigarettes	13,026.2	11	11	35,453	100.00
28.	2752	Commercial printing, lithographic	12,924.6	2,022	394	148,879	57.19
29.	2844	Toilet preparations	12,317.7	300	139	68,328	90.85
30.	2721	Periodicals	12,226.4	817	191	86,799	71.55
31.	3531	Construction machinery	12,104.1	470	209	92,294	87.18
32.	3728	Aircraft equipment, n.e.c.	12,062.9	644	260	164,047	88.74
33.	3444	Sheet metal work	11,850.7	1,686	295	109,504	48.73
34.	2099	Food preparations, n.e.c.	11,705.5	661	236	74,976	77.05
35.	3469	Metal stampings, n.e.c.	11,678.6	1,236	305	154,964	74.01
36.	3599	Machinery, except electrical, n.e.c.	11,444.9	2,971	332	159,196	41.04
37.	3579	Office machines, n.e.c.	11,378.5	186	71	45,475	89.38
38.	3861	Photographic equipment & supplies	11,355.0	369	116	94,524	86.82
39.	3494	Valves & pipe fittings	11,338.4	672	285	94,285	82.07
40.	2082	Malt beverages	11,269.5	65	52	40,191	98.12
41.	2048	Prepared feeds, n.e.c.	11,260.2	829	68	41,388	30.07
42.	2851	Paints & allied prod.	11,191.2	823	198	67,104	60.69
43.	3411	Metal cans	10,977.4	280	178	52,031	90.23
44.	3674	Semiconductors & related devices	10,938.5	397	212	152,207	95.78
45.	2899	Chemical preparations, n.e.c.	10,644.5	652	166	60,676	63.56
46.	2653	Corrugated & solid fiber boxes	10,508.7	1,026	481	102,147	74.05
47.	2421	Sawmills & planing mills, general	10,144.8	1,511	366	123,338	59.91
48.	3523	Farm machinery & equipment	9,953.6	717	186	93,791	76.25
49.	3519	Internal combustion engines, n.e.c.	9,918.5	150	74	72,484	94.87
50.	2731	Book publishing	9,815.7	516	195	77,616	82.44

Notes: n.e.c.—not elsewhere classified. **Shipments** records the gross revenues (sales) for all manufacturing establishments with 20 or more employees in a specific 4-digit SIC industry. **Total Plants** is the number of establishments with 20 or more employees. **Large Plants** is the number of establishments with 100 or more employees. **Total Employees** is the number of employees in establishments with 20 or more employees. **% Shipments in Large Plants** shows the share of a 4-digit industry's shipments accounted for by plants with 100 or more employees.

Source: Sales and Marketing Management's *1987 Survey of Industrial & Commercial Buying Power*

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Trinet and the Census Bureau: Why they don't agree

Marketers who compare the *Survey of Industrial & Commercial Buying Power (SICBP)* establishment totals with those in the Census Bureau's annual *County Business Patterns (CBP)* reports should bear in mind that the two sources may not always agree.

Obviously, no private-sector information source such as Trinet, which supplies the data ~~for~~ the *Survey*, can duplicate the Bureau's financial and personnel resources, not to mention its legal power to compel answers. Also, *CBP* reports pertain to a fixed point in time (a week in March, although first-quarter and annual payroll data are reported), whereas Trinet maintains a dynamic database, constantly inputting new information as it becomes available, and excising out-of-date information.

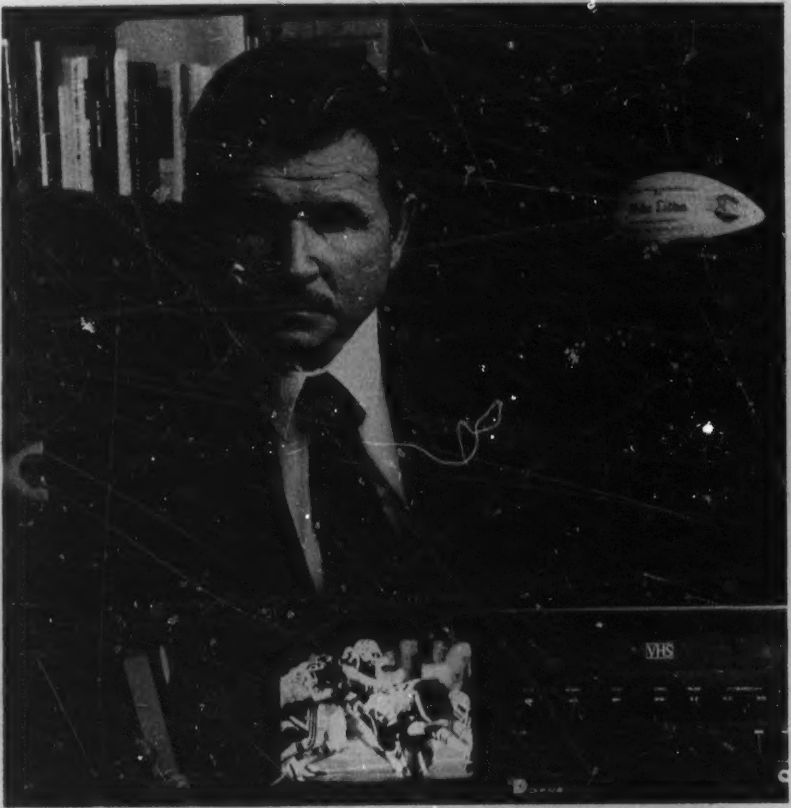
In addition, the following "facts of life" in data collection contribute to honest differences:

1. Establishments on the borderline of a size category—*CBP* use nine different classes—could move from one category to the next with a change in just one or two employees. Such movements can be considerable over the two-year time period in which *County Business Patterns* data trail *SICBP* data.

2. Employment data comparisons are inherently imprecise. CBP shows employment for a specific pay period, whereas companies generally report it as an annual average. Some small companies tend to inflate their employment figures in order to be counted, so that many establishments with 15 or 16 employees will claim to have 20.

3. Trinet's technical procedures for reconciling its files against the annual *CBP* reports invariably leave a residual of unreconciled establishment locations. When the differences are uncovered, the information stays in Trinet's files as the process of reconciliation goes on. After the file is updated, these old differences disappear—but new ones appear in different locations.

4. When large establishments produce more than one product in significant volumes, Trinet will add a second, third, or fourth establishment at the same address, along with the appropriate SIC code and employment data. This increases the number of establishments in Trinet's file vs. the *CBP* files. This, say the people at Trinet, is the major discrepancy between the Census Bureau's figures and their own—establishment totals. There is far less disparity on the value of shipments, which is the key measure of industrial buying power.



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SIC: The system explained

The **Standard Industrial Classification (SIC)** system was developed by the federal government to facilitate the collection and analysis of data pertaining to all industries involved in economic activity in the U.S.

Within the system, each major area of activity, referred to as a **Division** (A,B,C, etc.), is the first assigned a range of 2-digit classification codes. For example, the manufacturing division (Division D) includes SICs 20 to 39, with each 2-digit designation denoting a **Major Group**, such as SIC 20—Food. These, in turn, are subdivided into more than 150 3-digit **Industry Groups**, such as SIC 208—Beverages. At the next level of detail, 4-digit **Specific Industries** are identified (SIC 2082—Malt beverages, or SIC 2086—Bottled & canned soft drinks).

The *Survey of Industrial & Commercial Buying Power* uses these 4-digit classification codes, since this is the level of detail most widely used by marketers.

The basic reporting unit in the SIC system is the *Individual Establishment*, defined as a "single physical location where business is conducted or where services or industrial operations are performed." Thus, establishments should never be confused with entire companies, which may consist of one or more separate establishments, depending on the number of actual physical locations involved. Where "distinct and separate economic activities" are performed at a single location, each activity is treated as an establishment, in accordance with the guidelines on classification in the government's *Standard Industrial Classification Manual*.

SIC data in the *Survey of Industrial & Commercial Buying Power* is presented in two different configurations. First, as U.S. totals for establishments and shipment dollars, listed by 4-digit SIC for the industries surveyed, and then by state and county for all counties that meet the following criteria: when a 4-digit industry has 1,000 or more employees in that county—otherwise, an "all-manufacturing" total will be the only entry for that particular county.

It is this geographically oriented information that tells the industrial marketer (1) where his prospects are located and (2) because *Survey* data show a county's percentage of total U.S. shipments for each 4-digit industry listed, the county's relative importance in a given industry. The marketer can also gain valuable insights into a county's industrial mix by noting the individual SICs listed under that county name.

It should be mentioned that SIC data, despite their usefulness, have certain limitations. First, because the total output of a multiproduct establishment must be assigned to a single 4-digit industry (an unavoidable consequence of this type of system), the shipments total for that industry will be somewhat overstated. Conversely, the totals of the establishment's secondary products or services will be understated.

The second and more serious limitation—and at the same time the *Survey*'s biggest plus—is the nondisclosure rule that bars the Census Bureau from publishing data that may disclose the operations of an individual employer. In other words, a large establishment that dominates a county's statistical listing cannot—by law—be listed, since the data for the county would constitute a virtual profile of this company's business operations. Because the largest establishments in a county are often affected by this rule, their shipments/receipts totals would be excluded from the Census Bureau's industry totals, leading to an understatement at the local level.

Trinet, the data information company from whose data bank the *Survey* statistics are drawn, does not face this same restriction and can include any such establishments in their totals.

For a more detailed listing of all industries, their codes, and their definitions, the *Standard Industrial Classification Manual* is available from the U.S. Government Printing Office (GPO), Washington, DC 20402. The 1977 *Supplement*, which incorporates some minor revisions and additions, is also available from the GPO.

Section II: 1986 U.S. Totals

U.S. establishment and shipments/receipts totals for 4-digit SIC industries

The U.S. establishment and shipments/receipts totals in this section cover all the 4-digit SIC industries in the *Survey of Industrial & Commercial Buying Power* and provide insights into the total customer base (establishments) available to the sales force, as well as the potential market demand (shipments/receipts).

When used in conjunction with state and county data in **Section III** (page 45), the totals shown here can be used to calculate the relative importance of individual counties that make up sales territories. For example, Calhoun County, MI, accounts for over 30% of the output of SIC 2043—Cereal breakfast foods. Closer investigation reveals that this county is home to not only Kellogg but also General Foods and Ralston Purina. This type of data, which can identify an area of high potential for a company marketing such products as wheat, flour, rice, and sugar, as well as companies that deal with packaging and containers, can prove to be highly valuable information in the mapping and staffing of territories, allocation of funds, etc.

Employment data, on the other hand, can be used to estimate employment at the county level by (1) calculating a shipments-per-employee value for a specific 4-digit SIC and (2) dividing that value into the county's total shipments/receipts figure in the 4-digit group in question.

A more in-depth explanation of the government's SIC coding system can be found on page 36. "SIC: The system explained."

1986 S&MM Est

SIC	Industry	Establishments Total	Establishments Large	Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab
	MINING					
SIC 10	**Metals**					
1011	Iron-ore mining	37	27	12,089	1,545.5	97
1021	Copper-ore mining	42	33	20,834	2,177.4	99
SIC 12	**Bituminous coal & lignite**					
1211	Bituminous-coal & lignite mining	745	340	136,981	16,248.8	86
SIC 13	**Oil & gas**					
1311	Crude petroleum & natural gas	1,789	86	65,564	35,935.8	29
1381	Oil- & gas-well drilling services	709	56	36,193	3,627.0	49
1382	Oil- & gas-field exploration services	550	34	26,258	2,325.6	33
SIC 14	**Nonmetallic minerals, except fuels**					
1422	Crushed- & broken-limestone quarrying	539	97	38,985	2,800.6	60
	CONSTRUCTION					
SIC 16	**Heavy-construction contractors**					
1611	Highway & street construction	1,596	430	159,115	17,295.0	73
1622	Bridge & tunnel construction	321	105	46,251	6,754.8	80
1623	Pipe- & utility-line construction	837	151	72,492	5,940.1	66
1629	Heavy construction n.e.c.	1,015	280	201,287	26,391.7	83
	MANUFACTURING					
SIC 20	**Food**					
2011	Meat-packing plants	801	299	128,113	44,657.8	86
2013	Sausages & other prepared meats	682	211	77,692	13,982.9	76
2016	Poultry-dressing plants	270	198	87,701	6,771.9	96
2017	Poultry & egg processing	215	119	43,121	3,995.2	89
2021	Creamery butter	72	6	3,872	3,350.3	22
2022	Natural & processed cheese	308	87	29,761	8,421.6	68
2023	Condensed & evaporated milk	145	35	13,217	5,185.0	61
2024	Ice cream & frozen desserts	297	81	27,186	4,922.0	68
2026	Fluid milk	770	307	80,456	19,690.9	72
2032	Canned food specialties	87	44	23,222	4,036.3	92
2033	Canned fruits & vegetables	525	289	100,494	15,113.3	88
2034	Dehydrated fruits, vegetables, & soups	92	48	17,610	2,495.3	90
2035	Pickles, sauces, & salad dressings	184	75	24,510	5,540.9	78
2037	Frozen fruits & vegetables	219	137	54,346	7,503.3	93
2038	Frozen food specialties	150	81	35,113	4,281.1	89
2041	Flour & other grain-mill products	209	50	18,019	3,881.8	57
2043	Cereal breakfast foods	39	26	16,632	3,922.4	96
2044	Rice milling	39	12	3,894	1,354.6	6
2045	Blended & prepared flour	64	25	6,797	1,559.6	70
2046	Wet corn milling	49	25	10,652	4,104.3	90
2047	Pet food	133	50	16,094	5,059.0	79
2048	Prepared feeds n.e.c.	829	68	41,388	11,260.2	30
2051	Bread, cake, & related products	1,179	525	169,051	15,927.5	83
2052	Cookies & crackers	174	84	38,657	4,604.5	90
2061	Raw cane sugar	52	36	15,226	2,818.2	95
2062	Cane-sugar refining	31	19	10,010	2,984.7	94
2063	Beet sugar	40	33	9,200	1,319.7	95
2065	Confectionery products	402	147	61,488	7,859.3	82
2066	Chocolate & cocoa products	58	27	8,903	1.651.5	84
2067	Chewing gum	17	11	5,217	769.9	94
2074	Cottonseed-oil mills	52	15	4,499	634.9	57
2075	Soybean-oil mills	66	23	6,133	5,147.9	56
2076	Vegetable-oil mills n.e.c.	25	7	2,094	791.0	51
2077	Animal & marine fats & oils	163	27	10,265	1,282.6	43
2079	Shortening & cooking oils n.e.c.	74	42	13,539	5,072.5	90
2082	Malt beverages	65	52	40,191	11,269.5	98
2083	Malt	24	6	1,576	617.3	52
2084	Wines, brandy, & brandy spirits	115	31	11,077	2,990.3	68
2085	Distilled liquor, except brandy	82	39	16,820	4,941.8	90
2086	Bottled & canned soft drinks	1,347	381	120,994	18,987.0	65
2087	Flavoring extracts & syrups n.e.c.	159	29	11,308	3,868.9	49

DEFINITIONS: **SIC:** 4-digit classification used by federal government (see page 36). **Industry:** Classification by an establishment's primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Employment:** Number of persons employed in establishments with 20 or more employees, **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **N.E.C.:** Not Elsewhere Classified.

1986 **S&MM** Est.

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
2091	Canned & cured seafoods	119	46	13,027	1,817.4	73
2092	Fresh or frozen packaged seafoods	304	76	26,999	2,789.6	61
2095	Roasted coffee	112	44	14,687	8,180.0	80
2097	Manufactured ice	99	7	4,450	266.4	19
2098	Macaroni & spaghetti	61	34	7,952	1,039.3	86
2099	Food preparations n.e.c.	661	236	74,976	11,705.5	77

SIC 21 Tobacco

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
2111	Cigarettes	11	11	35,453	13,026.2	100
2121	Cigars	45	25	7,040	429.6	90
2131	Chewing & smoking tobacco & snuff	21	14	4,088	967.4	91
2141	Tobacco stemming & redrying	54	35	11,169	3,374.5	90

SIC 22 Textile-mill products

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
2211	Cotton-weaving mills	325	233	128,438	4,879.3	97
2221	Synthetics- & silk-weaving mills	301	183	74,127	5,878.1	92
2231	Wool-fabric weaving & finishing mills	150	80	30,801	1,597.0	88
2241	Narrow-fabric mills	245	92	27,192	1,044.2	73
2251	Women's full- & knee-length hosiery	119	71	29,428	1,520.7	93
2252	Hosiery n.e.c.	219	101	29,556	1,615.2	81
2253	Knit-outerwear mills	398	187	62,250	3,788.0	84
2254	Knit-underwear mills	68	52	29,104	1,146.5	97
2257	Circular-knit fabric mills	112	44	13,549	1,626.5	78
2258	Warp-knit fabric mills	77	44	14,233	1,491.8	86
2259	Knitting mills n.e.c.	34	6	2,745	145.8	55
2261	Cotton-finishing plants	196	101	50,070	1,416.9	91
2262	Synthetics- & silk-finishing plants	100	57	21,544	2,375.1	87
2269	Textile-finishing plants n.e.c.	120	50	14,675	898.0	79
2271	Woven carpets & rugs	34	14	7,076	355.8	81
2272	Tufted carpets & rugs	161	100	38,931	5,113.4	92
2279	Carpets & rugs n.e.c.	30	9	2,374	118.3	62
2281	Yarn-spinning mills, except wool	340	256	89,128	5,091.8	95
2282	Throwing & winding mills, except wool	78	48	15,721	2,368.9	90
2283	Wool-yarn mills	67	39	10,849	521.5	87
2284	Thread mills	50	31	9,705	470.6	91
2291	Felt goods, except woven felts & hats	56	21	6,396	592.7	78
2292	Lace goods	41	11	3,982	155.5	67
2293	Paddings & upholstery filling	63	19	5,479	307.1	58
2294	Processed textile waste	97	21	7,226	847.5	60
2295	Coated fabrics, not rubberized	125	43	14,759	1,754.5	76
2296	Tire cord & fabric	23	18	10,906	1,677.6	96
2297	Nonwoven fabrics	38	22	7,376	750.6	91
2298	Cordage & twine	88	33	10,676	609.7	79
2299	Textile goods n.e.c.	102	37	12,023	658.6	77

SIC 23 Apparel

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
2311	Men's & boys' suits & coats	319	194	66,396	3,692.5	92
2321	Men's & boys' shirts & nightwear	474	319	90,903	3,585.4	91
2322	Men's & boys' underwear	54	44	16,255	508.4	96
2323	Men's & boys' neckwear	94	24	7,290	330.6	60
2327	Men's & boys' separate trousers	312	[illegible]	74,089	2,572.7	95
2328	Men's & boys' work clothing	362	263	76,176	3,558.4	93
2329	Men's & boys' clothing n.e.c.	400	198	55,907	1,773.6	82
2331	Women's & misses' blouses	458	182	50,807	3,627.4	72
2335	Women's & misses' dresses	771	265	76,726	3,498.2	69
2337	Women's & misses' suits & coats	361	119	34,963	3,608.1	66
2339	Women's & misses' outerwear n.e.c.	740	311	92,043	3,065.6	77
2341	Women's & children's underwear	390	235	67,763	2,633.8	88
2342	Brassieres, girdles, & allied garments	100	57	17,844	908.7	89
2351	Millinery	28	5	2,126	77.1	54
2352	Hats & caps, except millinery	139	53	13,285	461.2	69
2361	Girls' & children's dresses & blouses	212	96	23,197	1,244.3	75
2363	Girls' & children's coats & suits	40	20	5,109	130.3	80
2369	Girls' & children's outerwear n.e.c.	208	98	30,815	1,160.1	82
2371	Fur goods	71	3	2,826	368.2	13
2381	Fabric dress & work gloves	107	44	12,216	456.9	74
2384	Robes & dressing gowns	71	32	7,887	440.5	76
2385	Waterproof outer garments	75	31	9,327	546.1	79
2386	Leather- & sheep-lined clothing	37	15	3,405	218.4	71
2387	Apparel belts	94	25	7,670	475.0	60
2389	Apparel & accessories n.e.c.	96	22	7,512	316.7	58
2391	Curtains & draperies	271	66	24,748	957.5	61
2392	House furnishings n.e.c.	297	105	30,913	1,932.0	71
2393	Textile bags	112	37	9,727	594.2	64
2394	Canvas & related products	231	36	13,829	758.6	48
2395	Pleating, stitching, & tucking	125	24	8,206	396.6	47
2396	Automotive & apparel trimmings	164	41	24,770	1,429.5	78
2397	Schiffli-machine embroideries	32	4	1,929	94.3	40
2399	Fabricated textile products n.e.c.	290	83	26,359	1,765.2	69

SIC 24 Lumber & wood products

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
2411	Logging camps & contractors	306	35	17,847	2,252.7	39
2421	General sawmills & planing mills	1,511	366	123,338	10,144.8	60
2426	Hardwood dimension & flooring	328	77	26,692	1,041.7	58
2429	Special-product sawmills n.e.c.	50	4	2,815	123.5	31
2431	Millwork	1,015	212	86,932	6,120.1	65
2434	Wood kitchen cabinets	367	90	31,433	1,366.0	65
2435	Hardwood veneer & plywood	242	99	27,174	2,022.6	76
2436	Softwood veneer & plywood	174	113	29,794	3,907.8	91
2439	Structural wood members n.e.c.	298	56	18,999	1,070.7	46
2441	Nailed & lock-corner wood boxes	127	19	7,391	339.1	37
2448	Wood pallets & skids	294	32	14,992	834.7	33
2449	Wood containers n.e.c.	96	39	9,746	345.7	75
2451	Mobile homes	350	206	44,021	4,879.8	83
2452	Prefabricated wood buildings	248	66	20,016	1,734.2	65
2491	Wood preserving	198	26	11,091	1,406.1	37
2492	Particleboard	52	31	8,543	1,228.9	88
2499	Wood products n.e.c.	775	179	64,759	4,494.2	61

SIC 25 Furniture

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
2511	Wood household furniture	736	329	125,834	7,242.6	84
2512	Upholstered wood household furniture	632	275	85,367	5,032.1	79
2514	Metal household furniture	195	93	26,250	2,296.1	83
2515	Mattresses & bedsprings	337	74	25,687	3,064.6	55
2517	Wood TV & radio cabinets	26	15	9,298	616.5	94
2519	Household furniture n.e.c.	62	17	6,858	541.7	70
2521	Wood office furniture	142	50	23,073	2,345.8	89
2522	Metal office furniture	166	86	33,984	3,361.2	89
2531	Public-building & related furniture	229	78	26,736	1,614.3	75
2541	Wood partitions & fixtures	324	69	23,752	2,109.4	63
2542	Metal partitions & fixtures	269	77	26,898	2,151.9	68
2591	Drapery hardware & blinds & shades	127	39	15,825	1,313.7	77
2599	Furniture & fixtures n.e.c.	150	33	11,390	1,025.5	63

SIC 26 Paper

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
2611	Pulp mills	59	42	26,989	4,688.7	97
2621	Paper mills, except building paper	344	252	155,041	20,096.5	97
2631	Paperboard mills	189	124	50,631	8,108.4	92
2641	Paper coating & glazing	295	106	55,394	5,804.5	82
2642	Envelopes	211	110	26,567	2,010.8	80
2643	Bags, except textile bags	345	151	44,390	5,186.5	79
2645	Die-cut paper & board	169	41	13,267	2,082.5	61
2646	Pressed & molded pulp goods	29	9	3,695	345.1	70
2647	Sanitary paper products	93	56	29,219	9,311.5	93
2648	Stationery products	76	30	9,040	974.5	74
2649	Converted paper products n.e.c.	406	135	45,372	4,772.5	71
2651	Folding paperboard boxes	432	178	49,355	4,372.0	72
2652	Set-up paperboard boxes	160	47	14,366	546.8	65
2653	Corrugated & solid fiber boxes	1,016	481	102,147	10,508.7	74
2654	Sanitary food containers	108	67	25,776	2,535.6	92
2655	Fiber cans, drums, & similar products	190	44	16,686	1,546.6	62
2661	Building-paper & building-board mills	65	31	7,092	1 161.8	75

SIC 27 Printing & publishing

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
2711	Newspapers	2,480	712	348,425	22,103.9	80
2721	Periodicals	817	191	86,799	12,226.4	72
2731	Book publishing	516	195	77,616	9,815.7	82
2732	Book printing	148	71	35,634	4,211.7	90
2741	Miscellaneous publishing	442	128	47,713	3,177.9	70
2751	Letterpress commercial printing	2,567	461	196,730	9,356.5	60
2752	Lithographic commercial printing	2,022	394	148,879	12,924.6	57
2753	Engraving & plate printing	177	33	12,095	1,020.4	53
2754	Gravure commercial printing	58	25	10,134	1,748.9	89
2761	Manifold business forms	447	161	48,640	7,469.4	75
2771	Greeting-card publishing	74	31	20,889	2,396.3	92
2782	Blankbooks & looseleaf binders	242	98	26,698	1,894.6	77
2789	Bookbinding & related work	274	63	21,108	758.5	59
2791	Typesetting	325	42	18,431	1,036.4	44
2793	Photoengraving	137	29	9,011	658.5	50
2794	Electrotyping & stereotyping	11	2	607	24.1	39
2795	Lithographic platemaking services	71	5	3,578	311.9	25

SIC 28 Chemicals

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
2812	Alkalies & chlorine	62	35	14,662	1,655.1	89
2813	Industrial gases	264	32	16,187	2,730.2	46
2816	Inorganic pigments	80	26	10,559	1,002.4	76
2819	Industrial inorganic chemicals n.e.c.	573	218	113,262	17,036.4	83
2821	Plastics materials & synthetic resins	458	184	83,809	21,305.1	84
2822	Synthetic rubber	66	40	22,867	6,237.4	95
2823	Cellulosic man-made fibers	16	12	25,314	2,142.7	100
2824	Noncellulosic synthetic organic fibers	56	42	52,001	7,020.1	98
2831	Biological products	103	38	13,616	1,534.3	80
2833	Medicinals & botanicals	120	33	15,878	3,699.9	75
2834	Pharmaceutical preparations	502	247	150,209	21,340.6	93
2841	Soap & other detergents	246	74	29,092	8,646.0	80
2842	Polishes & sanitation goods	455	103	37,280	7,369.1	64

1986 S&MM Est.

SIC	Industry	Establishments Total	Establishments Large	Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
2843	Surface-active agents	62	20	5,201	826.1	58
2844	Toilet preparations	300	139	68,328	12,317.7	91
2851	Paints & allied products	823	198	67,104	11,191.2	61
2861	Gum & wood chemicals	59	20	7,038	878.8	75
2865	Cyclic crudes & intermediates	178	80	25,737	7,855.6	83
2869	Industrial organic chemicals n.e.c.	525	231	113,623	31,895.0	87
2873	Nitrogenous fertilizers	180	44	16,300	6,416.5	64
2874	Phosphatic fertilizers	84	32	16,973	4,722.2	87
2875	Fertilizers - mixing only	228	17	10,563	2,496.7	24
2879	Agricultural chemicals n.e.c.	155	24	17,508	6,193.3	69
2891	Adhesives & sealants	304	63	27,332	4,827.9	64
2892	Explosives	64	30	20,197	1,162.7	89
2893	Printing ink	183	34	11,383	2,070.0	49
2895	Carbon black	20	8	2,767	711.0	75
2899	Chemical preparations n.e.c.	652	166	60,676	10,644.5	64

SIC 29 Petroleum refining & coal products

SIC	Industry	Establishments Total	Establishments Large	Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
2911	Petroleum refining	299	166	90,885	140,200.8	94
2951	Paving mixtures & blocks	535	123	44,269	8,684.0	59
2952	Asphalt felts & coatings	184	58	16,614	3,184.2	63
2992	Lubricating oils & greases	237	36	20,979	5,914.2	60
2999	Petroleum & coal products n.e.c.	34	9	2,850	1,361.6	61

SIC 30 Rubber & miscellaneous plastics

SIC	Industry	Establishments Total	Establishments Large	Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
3011	Tires & inner tubes	121	68	62,347	7,276.3	95
3021	Rubber & plastic footwear	35	26	11,275	567.2	96
3031	Reclaimed rubber	14	4	1,253	100.2	63
3041	Rubber & plastic hose & belting	152	73	28,249	2,142.0	87
3069	Fabricated rubber products n.e.c.	854	322	111,909	5,381.0	80
3079	Miscellaneous plastics products	4,303	1,414	438,886	23,823.9	71

SIC 31 Leather

SIC	Industry	Establishments Total	Establishments Large	Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
3111	Leather tanning & finishing	191	68	19,351	2,035.1	71
3131	Boot & shoe cut stock & findings	108	40	10,374	389.0	73
3142	House slippers	36	22	6,753	323.6	91
3143	Men's nonathletic footwear	141	110	47,189	2,583.0	97
3144	Women's nonathletic footwear	141	112	34,227	2,029.4	97
3149	Nonrubber footwear n.e.c.	160	107	35,491	1,932.2	94
3151	Leather gloves & mittens	52	13	4,158	146.8	66
3161	Luggage	109	43	13,767	670.9	81
3171	Women's handbags & purses	102	37	12,222	388.9	77
3172	Personal leather goods n.e.c.	91	30	9,135	266.3	63
3199	Leather goods n.e.c.	134	27	8,822	316.5	59

SIC 32 Stone, clay, glass & concrete

SIC	Industry	Establishments Total	Establishments Large	Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
3211	Flat glass	82	39	18,335	2,718.1	90
3221	Glass containers	118	106	51,809	4,277.7	99
3229	Pressed & blown glass n.e.c.	190	95	53,104	4,065.7	91
3231	Products of purchased glass	342	92	31,262	2,373.3	65
3241	Hydraulic cement	158	110	25,143	4,898.9	89
3251	Brick & structural clay tile	222	59	18,346	1,016.0	51
3253	Ceramic wall & floor tile	63	31	8,999	461.6	85
3255	Clay refractories	96	30	8,644	748.2	61
3259	Structural clay products n.e.c.	51	14	3,497	201.2	49
3261	Vitreous plumbing fixtures	39	27	9,267	464.0	93
3262	Vitreous china food utensils	18	13	6,646	376.6	97
3263	Fine-earthenware food utensils	10	7	1,934	78.0	77
3264	Porcelain electrical supplies	69	36	11,615	685.5	87
3269	Pottery products n.e.c.	103	32	10,499	501.2	71
3271	Concrete block & brick	542	47	25,208	2,279.5	25
3272	Concrete products n.e.c.	980	175	64,437	4,209.9	51
3273	Ready-mixed concrete	1,351	170	78,232	8,418.1	43
3274	Lime	166	32	12,368	1,223.4	59
3275	Gypsum products	91	61	11,772	1,397.9	86
3281	Cut stone & stone products	307	43	17,790	1,118.0	44
3291	Abrasive products	183	50	20,120	3,031.6	69
3292	Asbestos products	97	47	14,277	1,239.4	84
3293	Gaskets, packing, & sealing devices	229	71	29,771	2,057.4	76
3295	Ground or treated minerals & earths	434	77	30,640	5,045.3	54
3296	Mineral wool	103	54	22,295	2,358.7	90
3297	Nonclay refractories	77	33	10,192	960.9	77
3299	Nonmetallic mineral products n.e.c.	75	19	6,980	374.2	63

DEFINITIONS: **SIC**: 4-digit classification used by federal government (see page 36). **Industry:** Classification by an establishment's primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Employment:** Number of persons employed in establishments with 20 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% In Large Establishments:** Share of shipments/ receipts accounted for by establishments with 100 or more employees. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est.

SIC 33 Primary metal

SIC	Industry	Establishments Total	Establishments Large	Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
3312	Blast furnaces & steel mills	319	191	230,563	29,592.5	97
3313	Electrometallurgical products	33	20	6,205	791.3	88
3315	Steel wire & related products	153	60	21,550	2,409.9	79
3316	Cold-rolled steel sheet, strip, & bars	198	87	40,543	6,490.2	83
3317	Steel pipe & tubes	204	105	49,708	6,528.0	89
3321	Gray-iron foundries	611	252	94,951	9,535.4	81
3322	Malleable-iron foundries	53	29	13,890	692.3	93
3324	Steel-investment foundries	62	27	10,574	1,345.9	87
3325	Steel foundries n.e.c.	276	132	47,819	5,173.4	86
3331	Primary copper	34	19	16,061	6,926.7	94
3332	Primary lead	18	8	2,866	570.5	78
3333	Primary zinc	17	10	3,568	539.3	90
3334	Primary aluminum	54	33	29,209	5,523.8	95
3339	Primary nonferrous metals n.e.c.	94	24	11,357	3,103.0	69
3341	Secondary nonferrous metals	258	71	23,112	7,178.3	64
3351	Copper rolling & drawing	98	62	23,873	3,405.3	51
3353	Aluminum sheet, plate, & foil	61	40	32,219	5,395.1	96
3354	Aluminum extruded products	159	91	26,293	2,489.8	83
3355	Aluminum rolling & drawing n.e.c.	51	24	6,947	1,351.9	79
3356	Nonferrous rolling & drawing n.e.c.	125	47	23,887	4,332.6	86
3357	Nonferrous-wire drawing & insulating	286	167	60,603	7,034.1	90
3361	Aluminum foundries	442	143	44,743	3,006.1	71
3362	Brass, bronze, & copper foundries	241	53	17,061	969.2	56
3369	Nonferrous foundries n.e.c.	270	90	33,817	1,776.6	75
3398	Metal heat treating	249	27	12,676	929.6	32
3399	Primary metal products n.e.c.	201	47	16,187	2,137.6	55

SIC 34 Fabricated metal

SIC	Industry	Establishments Total	Establishments Large	Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
3411	Metal cans	280	178	52,031	10,977.4	90
3412	Metal shipping barrels, drums, & pails	153	40	12,586	1,335.2	62
3421	Cutlery	67	30	9,600	795.3	84
3423	Hand & edge tools n.e.c.	316	116	40,092	3,324.5	78
3425	Hand saws & saw blades	80	32	8,922	687.1	81
3429	Hardware n.e.c.	543	202	81,356	9,071.3	80
3431	Metal sanitary ware	74	30	13,503	864.2	76
3432	Plumbing fittings & brass goods	146	83	23,137	2,006.0	87
3433	Heating equipment, except electric	342	129	43,889	4,727.9	78
3441	Fabricated structural metal	1,436	308	107,424	20,819.7	53
3442	Metal doors, sash, & trim	867	261	83,074	7,446.5	67
3443	Fabricated plate work (boiler shops)	1,023	283	103,310	13,590.3	67
3444	Sheet-metal work	1,686	295	109,504	11,850.7	49
3446	Architectural & ornamental metal work	255	43	19,003	1,422.0	50
3448	Prefabricated metal buildings	223	86	26,003	5,254.2	74
3449	Miscellaneous metal work	319	62	21,888	5,441.9	50
3451	Screw-machine products	794	93	42,397	2,215.5	34
3452	Bolts, nuts, rivets, & washers	484	163	53,719	3,863.6	73
3462	Iron & steel forgings	344	119	45,097	5,317.3	78
3463	Nonferrous forgings	39	18	7,561	1,546.2	89
3465	Automotive stampings	176	92	83,369	8,916.0	96
3466	Crowns & closures	39	27	7,875	1,433.1	92
3469	Metal stampings n.e.c.	1,236	305	154,964	11,678.6	74
3471	Plating & polishing	951	132	56,349	2,436.9	41
3479	Metal coating & allied services n.e.c.	520	84	36,984	4,024.6	43
3482	Small-arms ammunition	33	17	15,770	1,646.9	94
3483	Ammunition, except small-arms, n.e.c.	70	41	39,359	1,472.7	96
3484	Small arms	41	22	14,705	1,397.5	92
3489	Ordnance & accessories n.e.c.	78	30	22,642	1,978.5	91
3493	Steel springs, except wire	108	29	9,724	1,275.4	62
3494	Valves & pipe fittings	672	285	94,285	11,338.4	82
3495	Wire springs	159	45	13,905	2,001.1	65
3496	Miscellaneous fabricated wire products	643	163	58,620	4,491.7	63
3497	Metal foil & leaf	27	11	3,826	993.3	75
3498	Fabricated pipe & fittings	306	75	24,747	3,970.8	56
3499	Fabricated metal products n.e.c.	889	207	75,397	8,829.9	60

SIC 35 Nonelectrical machinery

SIC	Industry	Establishments Total	Establishments Large	Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
3511	Turbines & turbine-generator set units	80	38	31,079	2,790.6	94
3519	Internal-combustion engines n.e.c.	150	74	72,484	9,918.5	95
3523	Farm machinery & equipment	717	186	93,791	9,953.6	76
3524	Lawn & garden equipment	104	49	26,299	1,734.6	91
3531	Construction machinery	470	209	92,294	12,104.1	87
3532	Mining machinery	218	81	28,440	2,749.6	77
3533	Oil-field machinery	379	125	48,125	9,155.9	75
3534	Elevators & moving stairways	129	40	13,626	1,344.1	72
3535	Conveyors & conveying equipment	399	109	35,034	3,240.3	61
3536	Hoists, industrial cranes, & monorails	155	52	19,010	1,386.2	75
3537	Industrial trucks & tractors	263	87	37,462	2,769.9	79
3541	Metal-cutting machine tools	619	149	61,156	4,357.9	69
3542	Metal-forming machine tools	239	63	23,911	1,507.9	69
3544	Special dies, tools, jigs, & fixtures	2,061	241	115,201	5,751.9	39
3545	Machine-tool accessories	654	156	5[illegible],602	3,291.6	67
3546	Power-driven hand tools	104	46	21,767	1,292.9	88

1986 S&MM Est

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
3547	Rolling-mill machinery	39	19	6,699	820.5	87
3549	Metalworking machinery n.e.c.	205	65	18,455	1,993.7	68
3551	Food-products machinery	463	140	44,017	2,681.1	67
3552	Textile machinery	298	77	27,781	1,723.7	64
3553	Woodworking machinery	138	33	10,389	1,013.4	59
3554	Paper-industries machinery	151	52	18,810	1,744.0	75
3555	Printing-trades machinery	262	78	29,916	2,280.4	73
3559	Special-industry machinery n.e.c.	834	214	87,314	8,956.0	70
3561	Pumps & pumping equipment	466	179	60,901	6,686.1	79
3562	Ball & roller bearings	164	95	55,801	3,715.6	93
3563	Air & gas compressors	161	71	31,547	3,281.7	85
3564	Blowers & exhaust & ventilation fans	322	104	35,218	2,282.4	75
3565	Industrial patterns	136	13	6,300	441.4	34
3566	Speed changers, drives, & gears	150	59	22,866	1,846.3	77
3567	Industrial-process furnaces & ovens	231	61	20,935	1,470.0	62
3568	Power-transmission equipment n.e.c.	241	93	34,218	3,999.6	78
3569	General industrial machinery n.e.c.	693	194	70,784	5,673.2	70
3573	Electronic computing equipment	1,144	572	372,547	51,634.8	93
3574	Calculating & accounting machines	49	24	13,863	2,503.2	93
3576	Scales & balances, except laboratory	77	26	7,392	199.4	76
3579	Office machines n.e.c.	186	71	45,475	11,378.5	89
3581	Automatic merchandising machines	55	30	10,806	694.9	87
3582	Commercial laundry equipment	64	18	6,275	527.0	68
3585	Refrigeration & heating equipment	518	254	137,083	15,557.9	91
3586	Measuring & dispensing pumps	29	13	6,744	524.0	89
3589	Service-industry machinery n.e.c.	365	115	34,605	3,061.7	67
3592	Carburetors, pistons, rings, & valves	95	47	25,683	1,723.4	90
3599	Machinery, except electrical, n.e.c.	2,971	332	159,196	11,444.9	41

SIC 36 Electric & electronic equipment

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
3612	Transformers	272	120	53,464	2,824.4	87
3613	Switchgear & switchboard apparatus	367	170	62,523	4,994.7	86
3621	Motors & generators	426	241	107,609	7,791.0	92
3622	Industrial controls	434	162	67,254	5,234.8	82
3623	Electric welding apparatus	139	49	19,497	2,411.7	81
3624	Carbon & graphite products	58	32	13,581	1,446.3	92
3629	Electrical industrial apparatus n.e.c.	172	53	18,014	1,723.4	69
3631	Household cooking equipment	63	45	25,521	2,911.1	97
3632	Household refrigerators & freezers	34	24	20,010	2,386.5	98
3633	Household laundry equipment	19	12	17,715	1,956.3	98
3634	Electric housewares & fans	179	92	38,989	3,846.4	89
3635	Household vacuum cleaners	33	16	9,151	716.6	87
3636	Sewing machines	40	14	4,226	320.3	75
3639	Household appliances n.e.c.	46	25	14,338	2,018.3	94
3641	Electric lamps	96	50	24,703	2,524.9	92
3643	Current-carrying wiring devices	357	168	64,319	2,721.1	86
3644	Non-current-carrying wiring devices	115	56	17,731	3,064.2	84
3645	Residential electric lighting fixtures	219	70	22,584	1,306.2	72
3646	Commercial electric lighting fixtures	110	45	17,702	1,824.3	83
3647	Vehicular lighting equipment	38	21	11,772	1,019.9	93
3648	Lighting equipment n.e.c.	154	57	18,946	1,881.5	73
3651	Radio & TV receiving sets	259	123	61,985	7,326.5	90
3652	Phonograph records & pre-recorded tape	111	33	17,077	3,148.8	85
3661	Telephone & telegraph apparatus	239	139	120,847	19,031.6	97
3662	Radio & TV communication equipment	1,188	546	354,765	33,751.6	93
3671	Electron tubes	79	42	32,838	1,701.0	95
3674	Semiconductors & related devices	397	212	152,207	10,938.5	96
3675	Electronic capacitors	86	47	20,809	1,568.9	89
3676	Electronic resistors	51	27	12,352	780.8	90
3677	Electronic coils & transformers	191	77	18,975	1,268.0	70
3678	Electronic connectors	105	53	22,072	2,273.4	87
3679	Electronic components n.e.c.	1,789	742	300,157	19,560.9	85
3691	Storage batteries	128	82	31,347	2,861.4	93
3692	Dry & wet primary batteries	45	29	9,064	1,413.4	92
3693	X-ray apparatus & tubes	127	63	31,655	5,299.6	92
3694	Engine electrical equipment	215	97	77,750	5,341.0	93
3699	Electrical equipment & supplies n.e.c.	201	64	22,168	2,110.4	71

SIC 37 Transportation equipment

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
3711	Motor vehicles & passenger-car bodies	176	117	273,327	95,938.7	99
3713	Truck & bus bodies	413	114	101,513	9,161.9	89
3714	Motor-vehicle parts & accessories	1,234	628	358,137	38,236.6	92
3715	Truck trailers	204	72	25,150	2,018.3	77
3721	Aircraft	102	63	208,385	28,921.3	99
3724	Aircraft engines & engine parts	174	93	108,850	8,989.5	96
3728	Aircraft equipment n.e.c.	644	260	164,047	12,062.9	89
3731	Ship building & repairing	324	167	159,638	7,857.6	94
3732	Boat building & repairing	385	116	42,042	2,182.7	74
3743	Railroad equipment	177	74	38,298	4,651.0	86
3751	Motorcycles, bicycles, & parts	64	23	15,713	1,636.8	87
3761	Guided missiles & space vehicles	60	38	97,832	13,209.4	99
3764	Space-propulsion units & parts	25	18	26,101	2,309.6	98
3769	Space-vehicle equipment n.e.c.	61	34	34,719	4,005.7	97

1986 S&MM Est

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
3792	Travel trailers & campers	206	90	24,742	1,552.9	81
3795	Tanks & tank components	25	9	13,254	1,737.3	95
3799	Transportation equipment n.e.c.	105	27	9,068	657.1	65

SIC 38 Instruments

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
3811	Engineering & scientific instruments	522	204	85,151	3,887.6	84
3822	Environmental controls	201	87	41,283	1,725.3	89
3823	Industrial process-control instruments	372	128	51,506	3,990.6	78
3824	Fluid meters & counting devices	88	44	16,380	1,343.7	88
3825	Electricity-measuring instruments	371	172	67,692	5,569.9	89
3829	Measuring & controlling devices n.e.c.	328	107	34,448	2,662.6	71
3832	Optical instruments & lenses	271	84	38,978	4,412.5	79
3841	Surgical & medical instruments	396	189	75,389	5,060.5	89
3842	Surgical appliances & supplies	441	186	77,554	6,663.4	85
3843	Dental equipment & supplies	167	46	17,213	1,512.3	70
3851	Ophthalmic goods	265	80	29,977	915.5	75
3861	Photographic equipment & supplies	369	116	94,524	11,355.0	87
3873	Watches, clocks, & watchcases	100	47	23,768	1,838.2	90

SIC 39 Miscellaneous manufacturing

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
3911	Precious-metal jewelry	414	94	39,841	4,078.4	67
3914	Silverware & plated & stainless ware	66	21	9,688	546.1	80
3915	Jewelers' materials & lapidary work	105	18	8,568	1,088.2	57
3931	Musical instruments & parts	134	57	20,669	1,521.8	84
3942	Dolls & stuffed toy animals	69	25	6,999	511.7	69
3944	Games, toys, & children's vehicles	227	105	41,127	7,147.8	90
3949	Sporting & athletic goods n.e.c.	473	142	50,393	4,062.8	73
3951	Pens & mechanical pencils	81	33	12,848	1,030.0	84
3952	Lead pencils & art goods	59	27	9,665	622.4	86
3953	Marking devices	150	16	9,334	378.3	49
3955	Carbon paper & inked ribbons	59	14	5,098	496.2	60
3961	Costume jewelry	246	62	23,613	1,531.2	71
3962	Artificial flowers	65	12	4,319	319.2	45
3963	Buttons	48	11	2,837	169.4	47
3964	Needles, pins, & fasteners	118	52	16,705	1,088.1	81
3991	Brooms & brushes	168	50	15,370	1,160.8	67
3993	Signs & advertising displays	808	124	51,386	2,369.9	48
3995	Burial caskets	124	24	10,077	803.7	64
3996	Hard-surface floor coverings n.e.c.	17	11	8,695	1,292.1	97
3999	Manufactures n.e.c.	638	159	57,592	4,125.2	65

TRANSPORTATION AND PUBLIC UTILITIES

SIC 40 Railroads

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
4011	Line-haul-operating railroads	299	143	206,171	24,739.5	97

SIC 49 Electric, gas, & sanitary services

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
4911	Electric services	1,955	394	339,924	109,375.5	79
4912	Nuclear power	78	70	59,763	28,123.7	99
4922	Natural-gas transmission	690	50	42,295	45,707.3	53
4923	Gas transmission & distribution	318	39	36,261	24,958.4	78
4924	Natural-gas distribution	516	77	51,540	20,217.2	69
4931	Electric & other services combined	307	89	93,621	29,575.0	88

WHOLESALE TRADE

SIC 50 Wholesale trade in durable goods

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
5051	Metals service centers & sales offices	1,346	156	73,873	30,444.9	44
5063	Electrical-power-equipment wholesalers	1,723	114	75,596	12,612.8	37
5065	Electronic-parts wholesalers	734	97	49,868	9,754.0	52
5081	Commercial-equipment wholesalers	1,225	175	93,370	6,084.3	64
5084	Industrial-machinery distributors	2,784	162	118,386	17,025.5	28
5085	Industrial-supply distributors	2,821	105	114,840	19,829.5	31

FINANCE, INSURANCE, AND REAL ESTATE

SIC 60 Banking

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
6025	National banks, federal reserve system	3,913	768	628,020	138,002.8	80

SERVICES

SIC 70 Hotels & other lodging places

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
7011	Hotels, motels, & tourist courts	7,672	2,115	880,270	31,067.9	74

SIC 73 Business services

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
7372	Computer programming & software	1,025	312	150,514	11,428.9	80
7374	Data-processing services	1,205	264	109,962	8,037.1	66

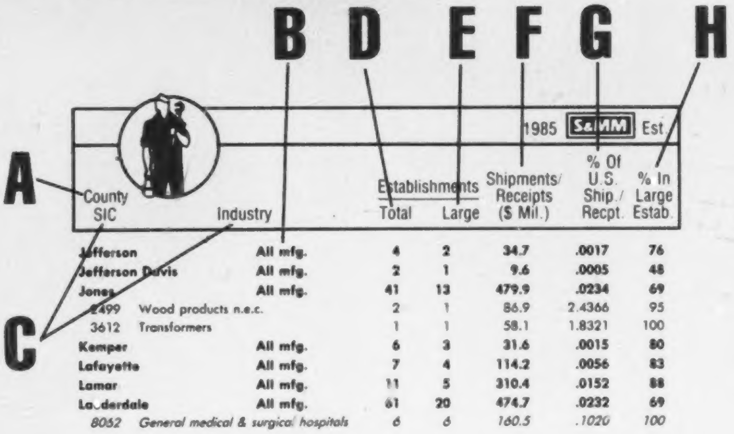
SIC 80 Health

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
8062	General medical & surgical hospitals	6,129	4,884	3,156,856	180,745.2	97

SIC 82 Education

SIC	Industry	Establishments		Employment	Shipments/ Receipts ($ Mil.)	% In Large Estab.
		Total	Large			
8221	Colleges & universities n.e.c.	1,459	931	550,830	26,691.3	96

Guide to using S&MM's Survey of Industrial & Commercial Buying Power



County SIC	Industry	Establishments Total	Establishments Large	1985 S&MM Est. Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Jefferson	**All mfg.**	**4**	**2**	**34.7**	**.0017**	**76**
Jefferson Davis	**All mfg.**	**2**	**1**	**9.6**	**.0005**	**48**
Jones	**All mfg.**	**41**	**13**	**479.9**	**.0234**	**69**
2499	Wood products n.e.c.	2	1	86.9	2.4366	95
3612	Transformers	1	1	58.1	1.8321	100
Kemper	**All mfg.**	**6**	**3**	**31.6**	**.0015**	**80**
Lafayette	**All mfg.**	**7**	**4**	**114.2**	**.0056**	**83**
Lamar	**All mfg.**	**11**	**5**	**310.4**	**.0152**	**88**
Lauderdale	**All mfg.**	**61**	**20**	**474.7**	**.0232**	**69**
8062	*General medical & surgical hospitals*	*6*	*6*	*160.5*	*.1020*	*100*

A. Counties with at least one establishment of 20 or more employees in any 4-digit manufacturing SIC or any of the *SICBP*'s selected 4-digit nonmanufacturing SICs are listed alphabetically, by state. In each county, individual 4-digit SIC industries with an aggregate employment of 1,000 or more are listed below the corresponding county name. Industries are identified at the 4-digit level of the **Standard Industrial Classification (SIC)** system used by the federal government, since this is the level of detail most often used by marketers. For a more in-depth discussion of the SIC system, see the article that begins on page 36. CAUTION: The county "All mgf." totals *will* add up to the U.S. total, although the individual 4-digit SIC industry totals for counties *will not* add up to the U.S. totals shown in **Section II** (page 40), since an industry will not appear under a county if it has less than 1,000 employees.

B. The "All mfg." line that appears for each county listed refers to the overall total for all of the manufacturing establishments in that county with more than 20 employees. If there are no 4-digit industries employing 1,000 or more people in a particular county, the "All mfg." line will be the only data listed for that country.

C. The 4-digit SIC codes listed under a county name indicate that this industry has an aggregate employment of 1,000 or more in that county. The industry definitions for each 4-digit code are found to the right of the number. Nonmanufacturing entries are printed in italics. A more complete listing of all SIC coded industries and their titles is in the ***Standard Industrial Classification Manual*** (U.S. Government Printing Office, Washington, DC 20402). It should be noted, however, that the *Survey* lists a few more 4-digit industries than the SIC manual, since we have retained certain industries that have been merged by the federal government into catchall groups.

D. The total number of establishments with 20 or more employees. For a detailed definition of what constitutes an establishment, see the SIC article on page 36. The *Survey* lists establishments with 20 or more employees because these locations typically account for 90%-95% of an industry's activity.

E. Large establishments are locations with 100 or more employees. Since they generally account for a greater share of a county's total activity, a separate total of such establishments is provided. They can most often be considered the key selling prospects in a county.

F. The total shipments/receipts figure is the dollar value of the goods produced or distributed, or the services provided. Shipments is the term commonly used in mining and manufacturing industries; receipts in all other industries. Figures are shown in millions of dollars.

G. The figure showing the percentage of U.S. shipments/receipts indicates a county's importance relative to others, either in the "All mfg." area or in separate SIC industries. The two ratios make it easier for marketers to pinpoint those counties that are most important to their product or service. It should be noted, however, that the "All mfg." percentage figures pertain to a county's share of total U.S. shipments/receipts, whereas the percentage figures for 4-digit SICs refer to the county's share of the U.S. total *in that particular industry only*. Thus, within a county, percentages for 4-digit manufacturing industries will not add up to the percentage total for "All mfg."

H. The portion of a county's business volume accounted for by large establishments (100 or more employees) suggests the necessary level of sales coverage. Normally, the higher the percentage, the fewer salespeople required.

Section III: 1986 State & County Totals

State and county totals for manufacturing and nonmanufacturing industries surveyed

1986 S&MM Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
ALABAMA						
Autauga	**All mfg.**	**8**	**5**	**229.3**	**.0106**	**97**
Baldwin	**All mfg.**	**32**	**14**	**355.8**	**.0165**	**79**
Barbour	**All mfg.**	**28**	**11**	**322.9**	**.0150**	**87**
Bibb	**All mfg.**	**9**	**3**	**72.1**	**.0033**	**66**
Blount	**All mfg.**	**7**	**3**	**47.8**	**.0022**	**57**
Bullock	**All mfg.**	**3**	**3**	**84.5**	**.0039**	**100**
Butler	**All mfg.**	**15**	**7**	**163.9**	**.0076**	**83**
2399	Fabricated textile products n.e.c.	1	1	37.9	2.1471	100
Calhoun	**All mfg.**	**59**	**34**	**922.7**	**.0428**	**88**
2281	Yarn-spinning mills, except wool	3	3	67.5	1.3257	100
3494	Valves & pipe fittings	3	3	171.9	1.5161	100
Chambers	**All mfg.**	**19**	**11**	**302.1**	**.0140**	**92**
2211	Cotton-weaving mills	7	7	187.0	3.8325	100
Cherokee	**All mfg.**	**3**	**3**	**41.6**	**.0019**	**100**
Chilton	**All mfg.**	**14**	**6**	**103.2**	**.0048**	**74**
Choctaw	**All mfg.**	**7**	**4**	**160.7**	**.0075**	**92**
Clarke	**All mfg.**	**16**	**7**	**230.2**	**.0107**	**78**
Clay	**All mfg.**	**7**	**6**	**86.9**	**.0040**	**97**
Cleburne	**All mfg.**	**6**	**4**	**89.0**	**.0041**	**92**
Coffee	**All mfg.**	**22**	**11**	**324.7**	**.0151**	**85**
Colbert	**All mfg.**	**39**	**11**	**1,050.3**	**.0487**	**88**
3334	Primary aluminum	1	1	236.3	4.2779	100
3353	Aluminum sheet, plate, & foil	1	1	319.6	5.9239	100
4911	*Electric services*	*2*	*2*	*157.2*	*.1437*	*100*
Conecuh	**All mfg.**	**5**	**2**	**61.4**	**.0028**	**78**
Coosa	**All mfg.**	**6**	**3**	**69.7**	**.0032**	**88**
Covington	**All mfg.**	**25**	**14**	**396.2**	**.0184**	**88**
2321	Men's & boys' shirts & nightwear	3	3	54.6	1.5228	100
Crenshaw	**All mfg.**	**4**	**3**	**52.6**	**.0024**	**95**
Cullman	**All mfg.**	**28**	**16**	**418.6**	**.0194**	**85**
Dale	**All mfg.**	**19**	**9**	**282.3**	**.0131**	**74**
Dallas	**All mfg.**	**32**	**18**	**518.8**	**.0241**	**83**
De Kalb	**All mfg.**	**44**	**24**	**420.8**	**.0195**	**86**
2252	Hosiery n.e.c.	15	6	71.6	4.4329	74
2321	Men's & boys' shirts & nightwear	4	3	37.7	1.0515	95
Elmore	**All mfg.**	**10**	**6**	**95.1**	**.0044**	**76**
Escambia	**All mfg.**	**21**	**8**	**271.8**	**.0126**	**75**
Etowah	**All mfg.**	**46**	**12**	**820.3**	**.0380**	**81**
3312	Blast furnaces & steel mills	1	1	461.3	1.5588	100
8062	*General medical & surgical hospitals*	*3*	*2*	*63.2*	*.0350*	*94*
Fayette	**All mfg.**	**14**	**5**	**138.7**	**.0064**	**71**
Franklin	**All mfg.**	**21**	**10**	**224.3**	**.0104**	**70**
Geneva	**All mfg.**	**11**	**7**	**120.6**	**.0056**	**89**
2321	Men's & boys' shirts & nightwear	5	5	60.4	1.6846	100
Greene	**All mfg.**	**2**	**1**	**8.9**	**.0004**	**69**
Hale	**All mfg.**	**7**	**5**	**94.5**	**.0044**	**91**
Henry	**All mfg.**	**10**	**2**	**111.0**	**.0051**	**49**
Houston	**All mfg.**	**37**	**15**	**782.9**	**.0363**	**77**
3652	Phonograph records & pre-recorded tape	1	1	172.9	5.4910	100
4912	*Nuclear power*	*1*	*1*	*347.3*	*1.2349*	*100*
8062	*General medical & surgical hospitals*	*2*	*2*	*55.3*	*.0306*	*100*
Jackson	**All mfg.**	**21**	**12**	**466.3**	**.0216**	**94**
4911	*Electric services*	*2*	*1*	*158.6*	*.1450*	*92*
Jefferson	**All mfg.**	**354**	**122**	**4,589.0**	**.2128**	**76**
1211	*Bituminous-coal & lignite mining*	*17*	*10*	*364.1*	*2.2408*	*89*
1611	*Highway & street construction*	*10*	*3*	*122.8*	*.7100*	*78*
1623	*Pipe- & utility-line construction*	*9*	*2*	*80.8*	*1.3602*	*66*
1629	*Heavy construction n.e.c.*	*11*	*4*	*501.5*	*1.9002*	*87*
2016	Poultry-dressing plants	3	2	89.2	1.3172	97
2086	Bottled & canned soft drinks	5	5	251.0	1.3220	100
2752	Lithographic commercial printing	14	5	119.2	.9223	71
2813	Industrial gases	3	1	175.2	6.4171	88
3312	Blast furnaces & steel mills	8	5	276.2	.9333	94
3317	Steel pipe & tubes	7	4	218.3	3.3441	93
3321	Gray-iron foundries	7	5	179.3	1.8804	94
3443	Fabricated plate work (boiler shops)	14	4	205.5	1.5121	66
3494	Valves & pipe fittings	3	3	182.1	1.6060	100
3721	Aircraft	1	1	105.2	.3637	100
4011	*Line-haul-operating railroads*	*2*	*2*	*182.9*	*.7393*	*100*
4911	*Electric services*	*3*	*2*	*1,524.0*	*1.3934*	*99*
4924	*Natural-gas distribution*	*3*	*3*	*473.3*	*2.3411*	*100*
5085	*Industrial-supply distributors*	*19*	*3*	*221.5*	*1.1170*	*53*
6025	*National banks, federal reserve system*	*3*	*2*	*448.1*	*.3247*	*99*
7011	*Hotels, motels, & tourist courts*	*18*	*3*	*33.5*	*.1078*	*30*
8062	*General medical & surgical hospitals*	*18*	*17*	*891.6*	*.4933*	*100*
Lamar	**All mfg.**	**13**	**10**	**145.7**	**.0068**	**94**
2327	Men's & boys' separate trousers	6	6	41.0	1.5937	100
Lauderdale	**All mfg.**	**28**	**15**	**705.4**	**.0327**	**93**
3011	Tires & inner tubes	1	1	389.7	5.3557	100
Lawrence	**All mfg.**	**13**	**4**	**326.3**	**.0151**	**90**
2621	Paper mills, except building paper	1	1	206.6	1.0280	100
Lee	**All mfg.**	**34**	**13**	**1,048.0**	**.0486**	**90**
2211	Cotton-weaving mills	2	2	53.9	1.1047	100
3011	Tires & inner tubes	1	1	167.4	2.3006	100
3652	Phonograph records & pre-recorded tape	1	1	119.9	3.8078	100
3949	Sporting & athletic goods n.e.c.	2	1	318.5	7.8394	99
Limestone	**All mfg.**	**17**	**10**	**234.1**	**.0109**	**92**
4912	*Nuclear power*	*1*	*1*	*282.2*	*1.0034*	*100*
Lowndes	**All mfg.**	**5**	**2**	**24.0**	**.0011**	**65**
Macon	**All mfg.**	**3**	**3**	**331.0**	**.0154**	**100**
8062	*General medical & surgical hospitals*	*2*	*2*	*106.2*	*.0588*	*100*
Madison	**All mfg.**	**118**	**49**	**2,820.4**	**.1308**	**90**
3443	Fabricated plate work (boiler shops)	3	2	99.8	.7343	95
3661	Telephone & telegraph apparatus	3	2	579.9	3.0470	99
3662	Radio & TV communication equipment	4	4	280.7	.8317	100
3679	Electronic components n.e.c.	4	1	186.4	.9529	94
3764	Space-propulsion units & parts	2	2	157.1	6.8020	100
7372	*Computer programming & software*	*8*	*4*	*66.8*	*.5845*	*90*
8062	*General medical & surgical hospitals*	*3*	*3*	*123.2*	*.0682*	*100*
Marengo	**All mfg.**	**12**	**7**	**301.7**	**.0140**	**94**
2421	General sawmills & planing mills	4	3	93.6	.9226	99
Marion	**All mfg.**	**21**	**16**	**376.6**	**.0175**	**89**
Marshall	**All mfg.**	**55**	**31**	**1,086.9**	**.0504**	**90**
2016	Poultry-dressing plants	6	6	214.9	3.1734	100
2328	Men's & boys' work clothing	3	3	45.4	1.2759	100
3679	Electronic components n.e.c.	2	2	178.4	.9120	100
Mobile	**All mfg.**	**142**	**48**	**2,371.0**	**.1100**	**81**
2621	Paper mills, except building paper	2	2	405.8	2.0193	100
2869	Industrial organic chemicals n.e.c.	5	3	469.1	1.4708	83
3731	Ship building & repairing	7	3	59.5	.7572	82
6025	*National banks, federal reserve system*	*4*	*3*	*190.1*	*.1378*	*92*
7011	*Hotels, motels, & tourist courts*	*16*	*3*	*98.6*	*.3174*	*70*
8062	*General medical & surgical hospitals*	*9*	*8*	*284.2*	*.1572*	*93*
Monroe	**All mfg.**	**13**	**8**	**277.4**	**.0129**	**82**

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1986 S&MM Est.

ALABAMA (cont.)

County SIC	Industry	Establishments Total	Establishments Large	Shipments/Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
Montgomery	**All mfg.**	**106**	**45**	**1,564.0**	**.0725**	**81**
3221	Glass containers	2	2	114.5	2.6767	100
8062	*General medical & surgical hospitals*	*6*	*6*	*177.3*	*.0981*	*100*
Morgan	**All mfg.**	**64**	**26**	**1,795.0**	**.0832**	**88**
2821	Plastics materials & synthetic resins	1	1	339.3	1.5926	100
2824	Noncellulosic synthetic organic fibers	1	1	253.0	3.6039	100
4911	*Electric services*	*2*	*1*	*262.5*	*.2400*	*90*
4912	*Nuclear power*	*1*	*1*	*282.2*	*1.0034*	*100*
Perry	**All mfg.**	**5**	**3**	**35.7**	**.0017**	**75**
Pickens	**All mfg.**	**11**	**4**	**87.8**	**.0041**	**67**
Pike	**All mfg.**	**18**	**5**	**247.4**	**.0115**	**52**
Randolph	**All mfg.**	**10**	**7**	**150.4**	**.0070**	**94**
Russell	**All mfg.**	**16**	**6**	**148.9**	**.0069**	**65**
2211	Cotton-weaving mills	3	3	58.4	1.1969	100
St. Clair	**All mfg.**	**17**	**5**	**150.9**	**.0070**	**49**
Shelby	**All mfg.**	**47**	**13**	**582.5**	**.0270**	**76**
Sumter	**All mfg.**	**14**	**6**	**123.6**	**.0057**	**71**
Talladega	**All mfg.**	**44**	**20**	**935.9**	**.0434**	**86**
2281	Yarn-spinning mills, except wool	5	5	72.8	1.4297	100
2611	Pulp mills	1	1	429.6	9.1625	100
Tallapoosa	**All mfg.**	**21**	**14**	**456.1**	**.0212**	**93**
2211	Cotton-weaving mills	4	4	42.3	.8669	100
2281	Yarn-spinning mills, except wool	2	2	244.9	4.8097	100
Tuscaloosa	**All mfg.**	**54**	**14**	**983.9**	**.0456**	**83**
3011	Tires & inner tubes	1	1	247.9	3.4070	100
3321	Gray-iron foundries	2	1	136.2	1.4284	97
8062	*General medical & surgical hospitals*	*5*	*4*	*250.6*	*.1386*	*99*
8221	*Colleges & universities n.e.c.*	*2*	*1*	*49.7*	*.1862*	*98*
Walker	**All mfg.**	**23**	**9**	**170.9**	**.0079**	**67**
1211	*Bituminous-coal & lignite mining*	*13*	*5*	*308.0*	*1.8955*	*79*
Washington	**All mfg.**	**6**	**3**	**438.6**	**.0203**	**98**
2869	Industrial organic chemicals n.e.c.	1	1	402.1	1.2607	100
Wilcox	**All mfg.**	**9**	**3**	**266.8**	**.0124**	**90**
2621	Paper mills, except building paper	1	1	222.5	1.1072	100
Winston	**All mfg.**	**27**	**12**	**176.3**	**.0082**	**66**
STATE TOTAL	**All mfg.**	**1,977**	**848**	**32,894.7**	**1.5255**	**84**

ALASKA

County SIC	Industry	Establishments Total	Establishments Large	Shipments/Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
Anchorage						
6025	*National banks, federal reserve system*	*2*	*2*	*229.3*	*.1662*	*100*
8062	*General medical & surgical hospitals*	*2*	*2*	*76.9*	*.0425*	*100*
Fairbanks North Star	**All mfg.**	**1**	**1**	**306.5**	**.0142**	**100**
Kenai Peninsula	**All mfg.**	**2**	**2**	**289.3**	**.0134**	**100**
STATE TOTAL	**All mfg.**	**3**	**3**	**595.8**	**.0276**	**100**

ARIZONA

County SIC	Industry	Establishments Total	Establishments Large	Shipments/Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
Apache	**All mfg.**	**3**	**2**	**61.8**	**.0029**	**90**
Cochise	**All mfg.**	**14**	**4**	**71.8**	**.0033**	**55**
8062	*General medical & surgical hospitals*	*6*	*3*	*69.2*	*.0383*	*81*
Coconino	**All mfg.**	**16**	**7**	**350.1**	**.0162**	**88**
3357	Nonferrous-wire drawing & insulating	2	2	66.4	.9440	100
7011	*Hotels, motels, & tourist courts*	*15*	*4*	*43.5*	*.1400*	*66*
Gila	**All mfg.**	**6**	**3**	**1,683.1**	**.0781**	**99**
1021	*Copper-ore mining*	*3*	*3*	*257.6*	*11.8306*	*100*
3331	Primary copper	3	3	1,665.1	24.0389	100
Graham	**All mfg.**	**3**		**8.8**	**.0004**	**0**
Greenlee	**All mfg.**	**1**	**1**	**430.0**	**.0199**	**100**
3331	Primary copper	1	1	430.0	6.2079	100
La Paz	**All mfg.**	**2**		**4.0**	**.0002**	**0**
Maricopa	**All mfg.**	**604**	**168**	**10,664.7**	**.4946**	**83**
1611	*Highway & street construction*	*12*	*3*	*190.4*	*1.1009*	*75*
2711	Newspapers	10	5	253.1	1.1450	94
2752	Lithographic commercial printing	19	6	138.8	1.0739	71
2844	Toilet preparations	3	2	94.4	.7664	93
2951	Paving mixtures & blocks	6	2	682.5	7.8593	93
3069	Fabricated rubber products n.e.c.	4	1	87.2	1.6205	95
3079	Miscellaneous plastics products	26	4	91.0	.3820	50
3273	Ready-mixed concrete	8	5	134.1	1.5930	89
3357	Nonferrous-wire drawing & insulating	3	2	366.6	5.2118	99
3441	Fabricated structural metal	11	3	293.6	1.4102	80
3444	Sheet-metal work	16	3	125.2	1.0565	50
3573	Electronic computing equipment	16	6	1,188.7	2.3021	96
3585	Refrigeration & heating equipment	4	4	130.7	.8401	100
3662	Radio & TV communication equipment	10	5	997.3	2.9548	98
3674	Semiconductors & related devices	13	8	931.9	8.5194	98
3679	Electronic components n.e.c.	18	5	112.3	.5741	63
3713	Truck & bus bodies	2	1	60.4	.6593	96
3724	Aircraft engines & engine parts	4	3	365.1	4.0614	99
3728	Aircraft equipment n.e.c.	13	7	370.8	3.0739	95
3851	Ophthalmic goods	4	2	70.1	7.6570	98
4911	*Electric services*	*3*	*1*	*514.3*	*.4702*	*96*
4931	*Electric & other services combined*	*1*	*1*	*809.8*	*2.7381*	*100*
6025	*National banks, federal reserve system*	*4*	*2*	*1,139.4*	*.8256*	*56*
7011	*Hotels, motels, & tourist courts*	*90*	*29*	*450.1*	*1.4488*	*81*
8062	*General medical & surgical hospitals*	*24*	*24*	*1,233.3*	*.6823*	*100*
8221	*Colleges & universities n.e.c.*	*3*	*1*	*75.6*	*.2832*	*96*
Mohave	**All mfg.**	**11**	**5**	**317.5**	**.0147**	**92**
Navajo	**All mfg.**	**6**	**2**	**97.2**	**.0045**	**90**
Pima	**All mfg.**	**123**	**27**	**1,946.0**	**.0902**	**82**
1021	*Copper-ore mining*	*9*	*8*	*725.1*	*33.3012*	*99*
3446	Architectural & ornamental metal work	2	1	89.0	6.2588	98
3674	Semiconductors & related devices	1	1	94.5	.8639	100
3679	Electronic components n.e.c.	8	3	120.3	.6150	90
3761	Guided missiles & space vehicles	1	1	798.5	6.0449	100
4911	*Electric services*	*7*	*3*	*484.9*	*.4433*	*89*
7011	*Hotels, motels, & tourist courts*	*34*	*11*	*124.7*	*.4014*	*68*
8062	*General medical & surgical hospitals*	*11*	*10*	*521.9*	*.2887*	*99*
Pinal	**All mfg.**	**20**	**8**	**713.9**	**.0331**	**94**
1021	*Copper-ore mining*	*3*	*3*	*64.0*	*2.9393*	*100*
3331	Primary copper	1	1	434.7	6.2757	100
Santa Cruz	**All mfg.**	**9**	**5**	**69.4**	**.0032**	**87**
Yavapai	**All mfg.**	**17**	**6**	**167.5**	**.0078**	**82**
8062	*General medical & surgical hospitals*	*3*	*3*	*55.1*	*.0305*	*100*
Yuma	**All mfg.**	**11**	**1**	**59.7**	**.0028**	**14**
STATE TOTAL	**All mfg.**	**846**	**239**	**16,645.5**	**.7720**	**85**

ARKANSAS

County SIC	Industry	Establishments Total	Establishments Large	Shipments/Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
Arkansas	**All mfg.**	**18**	**3**	**250.8**	**.0116**	**58**
2044	Rice milling	4	2	151.7	11.1989	76
Ashley	**All mfg.**	**20**	**8**	**652.0**	**.0302**	**91**
2621	Paper mills, except building paper	1	1	417.7	2.0785	100
Baxter	**All mfg.**	**9**	**6**	**228.0**	**.0106**	**94**
2834	Pharmaceutical preparations	1	1	152.8	.7160	100
Benton	**All mfg.**	**51**	**25**	**774.4**	**.0359**	**80**
2016	Poultry-dressing plants	3	2	81.5	1.2035	91
2017	Poultry & egg processing	2	2	84.9	2.1251	100
3621	Motors & generators	2	2	107.4	1.3785	100
Boone	**All mfg.**	**20**	**8**	**188.8**	**.0088**	**71**
Bradley	**All mfg.**	**6**	**5**	**87.7**	[illegible]	**96**
Calhoun	**All mfg.**	**1**		**1.6**	**.0001**	**0**
Carroll	**All mfg.**	**9**	**3**	**245.4**	**.0114**	**94**
2013	Sausages & other prepared meats	1	1	135.8	.9712	100
Chicot	**All mfg.**	**6**	**3**	**36.7**	**.0017**	**66**
Clark	**All mfg.**	**10**	**3**	**50.5**	**.0023**	**62**
Clay	**All mfg.**	**12**	**8**	**132.4**	**.0061**	**85**
Cleburne	**All mfg.**	**8**	**2**	**92.0**	**.0043**	**80**
Cleveland	**All mfg.**	**3**		**18.7**	**.0009**	**0**
Columbia	**All mfg.**	**18**	**7**	**173.1**	**.0080**	**85**
Conway	**All mfg.**	**11**	**5**	**221.4**	**.0103**	**85**
Craighead	**All mfg.**	**33**	**18**	**484.9**	**.0225**	**91**
Crawford	**All mfg.**	**18**	**5**	**203.5**	**.0094**	**65**
Crittenden	**All mfg.**	**26**	**7**	**256.2**	**.0119**	**63**
Cross	**All mfg.**	**5**	**3**	**130.2**	**.0060**	**96**
3585	Refrigeration & heating equipment	1	1	95.9	.6164	100
Dallas	**All mfg.**	**13**	**6**	**154.3**	**.0072**	**80**
Desha	**All mfg.**	**7**	**5**	**74.1**	**.0034**	**85**
Drew	**All mfg.**	**11**	**6**	**172.6**	**.0080**	**85**
Faulkner	**All mfg.**	**21**	**12**	**487.0**	**.0226**	**93**
2531	Public-building & related furniture	1	1	117.2	7.2601	100
Franklin	**All mfg.**	**10**	**3**	**109.1**	**.0051**	**78**
Fulton	**All mfg.**	**1**	**1**	**11.5**	**.0005**	**100**
Garland	**All mfg.**	**33**	**10**	**402.3**	**.0187**	**63**
3143	Men's nonathletic footwear	1	1	76.0	2.9423	100
Grant	**All mfg.**	**7**	**3**	**29.1**	**.0013**	**69**
Greene	**All mfg.**	**13**	**9**	**338.2**	**.0157**	**96**
3621	Motors & generators	1	1	98.1	1.2591	100
Hempstead	**All mrg.**	**14**	**4**	**209.6**	**.0097**	**79**
Hot Spring	**All mfg.**	**17**	**8**	**224.8**	**.0104**	**87**
3624	Carbon & graphite products	1	1	76.8	5.3101	100
Howard	**All mfg.**	**11**	**8**	**301.8**	**.0140**	**95**
2421	General sawmills & planing mills	1	1	122.2	1.2046	100
Independence	**All mfg.**	**21**	**10**	**391.5**	**.0182**	**86**

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1986 S&MM Est.

ARKANSAS (cont.)

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Izard	**All mfg.**	7	3	69.9	.0032	81
Jackson	**All mfg.**	9	5	183.7	.0085	96
Jefferson	**All mfg.**	40	19	566.2	.0263	86
2631	Paperboard mills	1	1	151.5	1.8684	100
Johnson	**All mfg.**	14	4	148.2	.0069	76
2016	Poultry-dressing plants	1	1	63.9	.9436	100
Lafayette	**All mfg.**	4	2	41.4	.0019	71
Lawrence	**All mfg.**	11	5	126.9	.0059	74
3546	Power-driven hand tools	1	1	71.9	5.5611	100
Lee	**All mfg.**	3	2	31.2	.0014	76
Lincoln	**All mfg.**	4	2	35.5	.0016	88
Little River	**All mfg.**	6	5	405.6	.0188	99
2611	Pulp mills	1	1	186.0	3.9670	100
2621	Paper mills, except building paper	1	1	153.8	.7653	100
Logan	**All mfg.**	13	7	109.3	.0051	60
Lonoke	**All mfg.**	12	7	234.3	.0109	82
3482	Small-arms ammunition	1	1	106.4	6.4606	100
Madison	**All mfg.**	4	3	31.8	.0015	97
Marion	**All mfg.**	3	1	29.4	.0014	81
Miller	**All mfg.**	9	5	335.7	.0156	96
3011	Tires & inner tubes	1	1	185.2	2.5452	100
Mississippi	**All mfg.**	36	18	600.6	.0279	78
2771	Greeting-card publishing	1	1	153.0	6.3848	100
Monroe	**All mfg.**	4	1	12.2	.0006	46
Montgomery	**All mfg.**	2	1	13.9	.0006	92
Nevada	**All mfg.**	4	2	39.3	.0018	78
Ouachita	**All mfg.**	25	12	498.6	.0231	91
3761	Guided missiles & space vehicles	1	1	194.0	1.4687	100
Perry	**All mfg.**	2	1	15.7	.0007	57
Phillips	**All mfg.**	16	4	239.0	.0111	48
Pike	**All mfg.**	2	1	7.8	.0004	77
Poinsett	**All mfg.**	13	8	168.1	.0078	83
Polk	**All mfg.**	12	4	119.9	.0056	83
Pope	**All mfg.**	21	11	346.8	.0161	73
4912	*Nuclear power*	*2*	*2*	*638.6*	*2.2707*	*100*
Prairie	**All mfg.**	4	1	15.6	.0007	59
Pulaski	**All mfg.**	187	68	2,609.0	.1210	79
2844	Toilet preparations	1	1	236.4	1.9192	100
3661	Telephone & telegraph apparatus	1	1	211.8	1.1129	100
3873	Watches, clocks, & watchcases	2	2	200.4	10.9020	100
4911	*Electric services*	*2*	*1*	*694.5*	*.6350*	*98*
6025	*National banks, federal reserve system*	*6*	*3*	*137.6*	*.0997*	*83*
7011	*Hotels, motels, & tourist courts*	*22*	*5*	*66.6*	*.2144*	*69*
8062	*General medical & surgical hospitals*	*13*	*13*	*550.7*	*.3047*	*100*
Randolph	**All mfg.**	11	6	175.4	.0081	88
St. Francis	**All mfg.**	11	6	390.9	.0181	95
3651	Radio & TV receiving sets	1	1	263.3	3.5938	100
Saline	**All mfg.**	14	6	263.7	.0122	87
2819	Industrial inorganic chemicals n.e.c.	3	1	147.0	.8629	96
Scott	**All mfg.**	5	2	96.1	.0045	92
2017	Poultry & egg processing	1	1	79.2	1.9824	100
Searcy	**All mfg.**	4	1	21.5	.0010	61
Sebastian	**All mfg.**	104	48	2,387.4	.1107	90
2511	Wood household furniture	5	5	62.4	.8616	100
2512	Upholstered wood household furniture	5	3	105.9	2.1045	94
3585	Refrigeration & heating equipment	3	3	461.6	2.9670	100
3632	Household refrigerators & freezers	1	1	426.0	17.8504	100
8062	*General medical & surgical hospitals*	*1*	*1*	*93.5*	*.0517*	*100*
Sevier	**All mfg.**	2	2	135.9	.0063	100
Sharp	**All mfg.**	1		1.8	.0001	0
Stone	**All mfg.**	3	1	17.7	.0008	65
Union	**All mfg.**	31	10	454.6	.0211	61
Van Buren	**All mfg.**	5	3	39.5	.0018	89
Washington	**All mfg.**	46	18	810.0	.0376	82
2016	Poultry-dressing plants	3	3	180.4	2.6639	100
2038	Frozen food specialties	1	1	133.7	3.1230	100
8062	*General medical & surgical hospitals*	*4*	*4*	*85.5*	*.0473*	*100*
White	**All mfg.**	22	13	383.6	.0178	84
Woodruff	**All mfg.**	5	3	86.2	.0040	80
Yell	**All mfg.**	7	3	170.3	.0079	86
2016	Poultry-dressing plants	1	1	79.8	1.1784	100
STATE TOTAL	**All mfg.**	1,201	528	19,604.4	.9092	83

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1986 S&MM Est.

CALIFORNIA

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Alameda	**All mfg.**	546	170	7,803.0	.3619	74
1611	*Highway & street construction*	*5*	*3*	*99.9*	*.5776*	*96*
2033	Canned fruits & vegetables	3	2	199.1	1.3174	97
2051	Bread, cake, & related products	9	6	128.7	.8080	91
2052	Cookies & crackers	4	2	143.3	3.1122	92
2653	Corrugated & solid fiber boxes	12	6	141.5	1.3465	83
2711	Newspapers	6	3	83.9	.3796	91
3221	Glass containers	4	4	178.7	4.1775	100
3411	Metal cans	9	9	557.9	5.0823	100
3573	Electronic computing equipment	10	5	618.8	1.1984	97
3679	Electronic components n.e.c.	7	3	66.4	.3395	90
3713	Truck & bus bodies	5	3	224.1	2.4460	97
5084	*Industrial-machinery distributors*	*24*	*2*	*148.1*	*.8699*	*34*
7011	*Hotels, motels, & tourist courts*	*25*	*4*	*50.9*	*.1638*	*44*
8062	*General medical & surgical hospitals*	*21*	*20*	*996.4*	*.5513*	*99*
8221	*Colleges & universities n.e.c.*	*5*	*4*	*304.1*	*1.1393*	*99*
Amador	**All mfg.**	4	1	92.4	.0043	86
Butte	**All mfg.**	29	12	429.7	.0199	79
8062	*General medical & surgical hospitals*	*5*	*4*	*170.3*	*.0942*	*98*
Calaveras	**All mfg.**	3	1	47.7	.0022	84
Colusa	**All mfg.**	2	1	18.9	.0009	83
Contra Costa	**All mfg.**	193	82	10,562.5	.4899	94
1311	*Crude petroleum & natural gas*	*1*	*1*	*99.2*	*.2760*	*100*
2062	Cane-sugar refining	1	1	474.4	15.8944	100
2819	Industrial inorganic chemicals n.e.c.	10	4	279.8	1.6424	86
2911	Petroleum refining	7	7	7,085.6	5.0539	100
3679	Electronic components n.e.c.	7	4	157.8	.8067	88
4911	*Electric services*	*6*	*2*	*846.9*	*.7743*	*94*
4912	*Nuclear power*	*1*	*1*	*988.3*	*3.5141*	*100*
7011	*Hotels, motels, & tourist courts*	*8*	*3*	*36.6*	*.1178*	*85*
8062	*General medical & surgical hospitals*	*13*	*10*	*403.9*	*.2235*	*96*
Del Norte	**All mfg.**	8	4	84.6	.0039	75
El Dorado	**All mfg.**	4	1	25.9	.0012	64
7011	*Hotels, motels, & tourist courts*	*13*	*5*	*38.9*	*.1252*	*78*
Fresno	**All mfg.**	136	47	1,894.5	.0879	70
2034	Dehydrated fruits, vegetables, & soups	10	7	280.7	11.2491	95
8062	*General medical & surgical hospitals*	*13*	*9*	*378.3*	*.2093*	*96*
Glenn	**All mfg.**	6	4	117.6	.0055	95
Humboldt	**All mfg.**	28	12	382.3	.0177	83
2421	General sawmills & planing mills	8	5	121.8	1.2006	94
8062	*General medical & surgical hospitals*	*4*	*4*	*61.7*	*.0341*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*67.8*	*.2540*	*100*
Imperial	**All mfg.**	8	3	125.4	.0058	60
Inyo	**All mfg.**	2	1	23.3	.0011	86
Kern	**All mfg.**	85	21	1,899.2	.0881	80
1311	*Crude petroleum & natural gas*	*27*	*4*	*1,101.5*	*3.0652*	*70*
1381	*Oil- & gas-well drilling services*	*10*	*4*	*92.7*	*2.5558*	*80*
8062	*General medical & surgical hospitals*	*10*	*8*	*269.4*	*.1490*	*97*
Kings	**All mfg.**	16	4	463.0	.0215	87
Lake	**All mfg.**	1	1	26.3	.0012	100
Lassen	**All mfg.**	4		34.7	.0016	0
Los Angeles	**All mfg.**	4,475	1,467	75,739.8	3.5126	83
1311	*Crude petroleum & natural gas*	*49*	*6*	*1,124.3*	*3.1286*	*36*
1611	*Highway & street construction*	*16*	*5*	*150.7*	*.8714*	*70*
1622	*Bridge & tunnel construction*	*7*	*2*	*258.8*	*3.8313*	*86*
1623	*Pipe- & utility-line construction*	*17*	*2*	*110.3*	*1.8569*	*52*
1629	*Heavy construction n.e.c.*	*33*	*13*	*1,719.4*	*6.5149*	*93*
2011	Meat-packing plants	21	11	1,368.3	3.0640	86
2026	Fluid milk	9	7	702.9	3.5697	97
2051	Bread, cake, & related products	22	15	643.2	4.0383	94
2082	Malt beverages	3	3	684.5	6.0739	100
2086	Bottled & canned soft drinks	12	5	421.2	2.2184	83
2091	Canned & cured seafoods	2	2	125.8	6.9220	100
2095	Roasted coffee	5	3	515.1	6.2971	90
2099	Food preparations n.e.c.	21	14	548.7	4.6875	94
2253	Knit-outerwear mills	13	3	77.8	2.0539	60
2293	Paddings & upholstery filling	8	6	64.0	20.8401	91
2321	Men's & boys' shirts & nightwear	16	7	75.2	2.0974	82
2327	Men's & boys' separate trousers	5	3	67.0	2.6043	97
2329	Men's & boys' clothing n.e.c.	8	3	40.1	2.2609	83
2331	Women's & misses' blouses	20	8	139.0	3.8319	72
2335	Women's & misses' dresses	28	7	90.0	2.5728	60
2337	Women's & misses' suits & coats	18	6	202.1	5.6013	67
2339	Women's & misses' outerwear n.e.c.	37	20	147.2	4.8017	80
2341	Women's & children's underwear	9	6	54.7	2.0768	85
2342	Brassieres, girdles, & allied garments	7	4	156.8	17.2554	95
2391	Curtains & draperies	13	3	44.5	4.6475	57
2392	House furnishings n.e.c.	13	4	59.1	3.0590	63
2399	Fabricated textile products n.e.c.	16	3	70.9	4.0165	53
2499	Wood products n.e.c.	18	6	127.6	2.8392	78
2511	Wood household furniture	38	14	237.6	3.2806	74
2512	Upholstered wood household furniture	36	17	259.6	5.1589	79
2514	Metal household furniture	13	7	191.4	8.3359	89
2515	Mattresses & bedsprings	22	7	238.8	7.7922	70
2521	Wood office furniture	10	4	126.3	5.3841	88
2522	Metal office furniture	12	7	167.0	4.9685	84

1986 S&MM Est

County SIC	Industry	Establishments		Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
		Total	Large			
2591	Drapery hardware & blinds & shades	6	3	141.4	10.7635	91
2621	Paper mills, except building paper	7	5	183.7	.9141	95
2641	Paper coating & glazing	6	1	127.1	2.1897	73
2642	Envelopes	14	6	91.0	4.5256	70
2643	Bags, except textile bags	16	6	216.5	4.1743	67
2651	Folding paperboard boxes	10	6	119.9	2.7425	86
2653	Corrugated & solid fiber boxes	27	14	377.9	3.5961	82
2654	Sanitary food containers	4	4	127.2	5.0166	100
2711	Newspapers	44	19	644.9	2.9176	90
2721	Periodicals	35	7	315.8	2.5829	57
2741	Miscellaneous publishing	11	6	83.0	2.6118	79
2751	Letterpress commercial printing	58	7	145.3	1.5529	28
2752	Lithographic commercial printing	70	13	422.4	3.2682	55
2753	Engraving & plate printing	16	4	113.0	11.0741	68
2782	Blankbooks & looseleaf binders	12	6	92.2	4.8665	78
2819	Industrial inorganic chemicals n.e.c.	16	4	420.1	2.4659	72
2821	Plastics materials & synthetic resins	17	5	416.9	1.9568	52
2833	Medicinals & botanicals	8	2	196.8	5.3191	78
2834	Pharmaceutical preparations	22	10	315.7	1.4793	72
2841	Soap & other detergents	13	4	288.1	3.3322	71
2842	Polishes & sanitation goods	30	6	352.9	4.7889	55
2844	Toilet preparations	22	5	411.5	3.3407	62
2851	Paints & allied products	58	14	723.5	6.4649	60
2869	Industrial organic chemicals n.e.c.	12	6	392.4	1.2303	77
2891	Adhesives & sealants	18	6	326.1	6.7545	77
2899	Chemical preparations n.e.c.	40	5	397.6	3.7353	30
2911	Petroleum refining	16	11	7,418.9	5.2916	96
2951	Paving mixtures & blocks	7	2	257.4	2.9641	87
3069	Fabricated rubber products n.e.c.	45	13	231.9	4.3096	72
3079	Miscellaneous plastics products	172	47	807.9	3.3911	64
3144	Women's nonathletic footwear	10	8	110.9	5.4647	97
3221	Glass containers	8	8	312.0	7.2936	100
3231	Products of purchased glass	13	4	94.2	3.9692	62
3272	Concrete products n.e.c.	10	4	74.1	1.7601	80
3273	Ready-mixed concrete	23	4	213.7	2.5386	64
3293	Gaskets, packing, & sealing devices	12	4	97.6	4.7439	71
3312	Blast furnaces & steel mills	11	6	233.4	.7887	88
3317	Steel pipe & tubes	9	3	227.1	3.4789	77
3321	Gray-iron foundries	19	10	213.5	2.2390	80
3324	Steel-investment foundries	7	4	115.0	8.5445	90
3325	Steel foundries n.e.c.	9	4	182.3	3.5238	85
3354	Aluminum extruded products	9	6	110.6	4.4421	89
3355	Aluminum rolling & drawing n.e.c.	7	4	357.4	26.4369	86
3361	Aluminum foundries	27	6	134.9	4.4875	53
3369	Nonferrous foundries n.e.c.	25	9	115.3	6.4899	68
3411	Metal cans	6	6	396.6	3.6129	100
3429	Hardware n.e.c.	51	19	683.5	7.5348	78
3432	Plumbing fittings & brass goods	9	6	206.8	10.3091	94
3441	Fabricated structural metal	25	6	355.3	1.7066	56
3442	Metal doors, sash, & trim	30	6	212.6	2.8550	45
3443	Fabricated plate work (boiler shops)	28	4	277.8	2.0441	48
3444	Sheet-metal work	54	12	405.4	3.4209	52
3452	Bolts, nuts, rivets, & washers	32	12	335.6	8.6862	84
3462	Iron & steel forgings	8	4	150.8	2.8360	82
3463	Nonferrous forgings	2	1	346.5	22.4098	98
3469	Metal stampings n.e.c.	32	2	122.4	1.0481	19
3471	Plating & polishing	89	14	266.0	10.9155	52
3479	Metal coating & allied services n.e.c.	44	8	198.2	4.9247	43
3483	Ammunition, except small-arms, n.e.c.	5	4	59.1	4.0130	100
3494	Valves & pipe fittings	27	11	402.9	3.5534	84
3496	Miscellaneous fabricated wire products	20	4	89.1	1.9837	45
3499	Fabricated metal products n.e.c.	27	9	300.3	3.4009	69
3531	Construction machinery	15	4	180.4	1.4904	63
3533	Oil-field machinery	17	6	266.4	2.9096	62
3541	Metal-cutting machine tools	14	3	77.4	1.7761	59
3544	Special dies, tools, jigs, & fixtures	55	9	139.4	2.4235	44
3545	Machine-tool accessories	22	2	157.6	4.7879	78
3551	Food-products machinery	18	6	78.6	2.9316	67
3559	Special-industry machinery n.e.c.	27	4	206.9	2.3102	62
3561	Pumps & pumping equipment	30	12	439.5	6.5733	82
3564	Blowers & exhaust & ventilation fans	17	4	52.8	2.3134	44
3569	General industrial machinery n.e.c.	32	10	267.0	4.7063	73
3573	Electronic computing equipment	94	48	3,729.3	7.2225	90
3585	Refrigeration & heating equipment	29	6	254.8	1.6378	64
3589	Service-industry machinery n.e.c.	13	5	100.4	3.2792	70
3599	Machinery, except electrical, n.e.c.	187	17	622.3	5.4374	33
3613	Switchgear & switchboard apparatus	20	8	137.1	2.7449	77
3621	Motors & generators	12	7	96.7	1.2412	76
3622	Industrial controls	18	7	142.7	2.7260	75
3623	Electric welding apparatus	10	3	240.9	9.9888	83
3639	Household appliances n.e.c.	8	5	175.6	8.7004	89
3643	Current-carrying wiring devices	25	8	101.5	3.7301	62
3644	Non-current-carrying wiring devices	9	6	149.6	4.8822	90
3645	Residential electric lighting fixtures	20	3	79.5	6.0864	37
3646	Commercial electric lighting fixtures	11	5	132.3	7.2521	81
3648	Lighting equipment n.e.c.	13	7	197.3	10.4863	86
3651	Radio & TV receiving sets	26	15	511.0	6.9747	88
3652	Phonograph records & pre-recorded tape	11	8	557.5	17.7052	95
3661	Telephone & telegraph apparatus	8	6	182.7	.9600	95
3662	Radio & TV communication equipment	63	28	2,348.0	6.9567	95
3671	Electron tubes	3	2	67.8	3.9859	97
3674	Semiconductors & related devices	19	11	221.5	2.0250	92
3677	Electronic coils & transformers	13	7	96.2	7.5868	65
3678	Electronic connectors	12	7	228.9	10.0686	93
3679	Electronic components n.e.c.	93	40	732.5	3.7447	81
3693	X-ray apparatus & tubes	7	5	188.2	3.5512	88
3711	Motor vehicles & passenger-car bodies	5	3	1,518.6	1.5829	98
3713	Truck & bus bodies	14	3	100.4	1.0958	70
3714	Motor-vehicle parts & accessories	60	23	911.6	2.3841	82
3715	Truck trailers	6	2	87.6	4.3403	83
3721	Aircraft	8	7	10,313.4	35.6602	100
3724	Aircraft engines & engine parts	5	2	141.5	1.5741	88
3728	Aircraft equipment n.e.c.	127	48	1,653.5	13.7073	82
3731	Ship building & repairing	7	4	139.3	1.7728	96
3761	Guided missiles & space vehicles	6	6	2,279.9	17.2597	100
3764	Space-propulsion units & parts	3	3	843.0	36.4998	100
3769	Space-vehicle equipment n.e.c.	5	5	130.0	3.2454	100
3792	Travel trailers & campers	12	7	91.2	5.8729	90
3811	Engineering & scientific instruments	30	10	269.5	6.9323	86
3822	Environmental controls	10	6	130.8	7.5813	95
3823	Industrial process-control instruments	12	7	109.2	2.7364	90
3824	Fluid meters & counting devices	3	2	61.9	4.6067	92
3825	Electricity-measuring instruments	16	6	283.4	5.0881	87
3829	Measuring & controlling devices n.e.c.	23	11	193.4	7.2636	81
3832	Optical instruments & lenses	17	6	227.4	5.1535	79
3841	Surgical & medical instruments	11	2	68.4	1.3516	72
3842	Surgical appliances & supplies	16	3	123.5	1.8534	58
3843	Dental equipment & supplies	6	3	243.7	16.1145	95
3861	Photographic equipment & supplies	29	8	309.5	2.7257	60
3944	Games, toys, & children's vehicles	8	6	885.3	12.3856	98
3949	Sporting & athletic goods n.e.c.	16	7	145.1	3.5714	79
3951	Pens & mechanical pencils	3	2	124.3	12.0680	99
3993	Signs & advertising displays	27	6	124.1	5.2365	56
3999	Manufactures n.e.c.	30	6	252.0	6.1088	71
4011	*Line-haul-operating railroads*	*3*	*2*	*1,213.8*	*4.9063*	*100*
4911	*Electric services*	*16*	*9*	*3,522.0*	*3.2201*	*96*
4923	*Gas transmission & distribution*	*4*	*3*	*7,704.5*	*30.8694*	*100*
5051	*Metals service centers & sales offices*	*63*	*9*	*1,566.9*	*5.1467*	*47*
5063	*Electrical-power-equipment wholesalers*	*65*	*2*	*368.1*	*2.9185*	*9*
5065	*Electronic-parts wholesalers*	*33*	*9*	*825.0*	*8.4581*	*77*
5081	*Commercial-equipment wholesalers*	*38*	*7*	*587.6*	*9.6576*	*90*
5084	*Industrial-machinery distributors*	*90*	*7*	*539.0*	*3.1658*	*32*
5085	*Industrial-supply distributors*	*103*	*7*	*727.9*	*3.6708*	*30*
6025	*National banks, federal reserve system*	*15*	*6*	*4,695.2*	*3.4022*	*98*
7011	*Hotels, motels, & tourist courts*	*145*	*75*	*1,096.8*	*3.5303*	*91*
7372	*Computer programming & software*	*61*	*16*	*564.1*	*4.9357*	*76*
7374	*Data-processing services*	*45*	*20*	*665.6*	*8.2816*	*92*
8062	*General medical & surgical hospitals*	*163*	*142*	*7,022.7*	*3.8854*	*99*
8221	*Colleges & universities n.e.c.*	*32*	*17*	*630.8*	*2.3633*	*97*
Madera	**All mfg.**	**16**	**7**	**349.2**	**.0162**	**83**
Marin	**All mfg.**	**31**	**9**	**388.8**	**.0180**	**80**
8062	*General medical & surgical hospitals*	*6*	*4*	*117.9*	*.0652*	*93*
Mariposa	**All mfg.**	**1**		**2.5**	**.0001**	**0**
7011	*Hotels, motels, & tourist courts*	*3*	*2*	*66.5*	*.2140*	*98*
Mendocino	**All mfg.**	**19**	**6**	**202.8**	**.0094**	**64**
2421	General sawmills & planing mills	7	3	97.0	.9562	81
Merced	**All mfg.**	**28**	**12**	**1,177.6**	**.0546**	**92**
2016	Poultry-dressing plants	1	1	545.8	8.0598	100
2033	Canned fruits & vegetables	4	4	131.9	.8727	100
2037	Frozen fruits & vegetables	1	1	155.6	2.0738	100
Modoc	**All mfg.**	**1**		**3.9**	**.0002**	**0**
Monterey	**All mfg.**	**51**	**21**	**949.0**	**.0440**	**74**
2037	Frozen fruits & vegetables	5	3	195.2	2.6015	97
4911	*Electric services*	*1*	*1*	*521.7*	*.4770*	*100*
7011	*Hotels, motels, & tourist courts*	*20*	*9*	*102.9*	*.3312*	*89*
8062	*General medical & surgical hospitals*	*7*	*6*	*156.6*	*.0866*	*98*
Napa	**All mfg.**	**32**	**6**	**414.0**	**.0192**	**51**
8062	*General medical & surgical hospitals*	*3*	*3*	*193.8*	*.1072*	*100*
Nevada	**All mfg.**	**9**	**1**	**257.1**	**.0119**	**85**
Orange	**All mfg.**	**911**	**340**	**17,071.0**	**.7917**	**86**
1629	*Heavy construction n.e.c.*	*4*	*2*	*317.7*	*1.2038*	*96*
2079	Shortening & cooking oils n.e.c.	2	2	807.7	15.9231	100
2451	Mobile homes	3	3	46.8	.9591	100
2711	Newspapers	9	5	495.7	2.2426	98
2741	Miscellaneous publishing	9	5	115.6	3.6376	74
2834	Pharmaceutical preparations	12	7	508.8	2.3842	94
3069	Fabricated rubber products n.e.c.	7	2	74.1	1.3771	88
3079	Miscellaneous plastics products	66	27	429.4	1.8024	77
3429	Hardware n.e.c.	11	3	203.0	2.2378	74
3452	Bolts, nuts, rivets, & washers	4	3	133.7	3.4605	98
3469	Metal stampings n.e.c.	11	5	119.2	1.0207	88
3489	Ordnance & accessories n.e.c.	1	1	242.1	12.2365	100
3494	Valves & pipe fittings	7	3	124.9	1.1016	85
3533	Oil-field machinery	4	3	206.3	2.2532	86
3561	Pumps & pumping equipment	6	4	107.7	1.6108	89

1986 S&MM Est.

CALIFORNIA (Orange, cont.)

County SIC	Industry	Establishments		Shipments Receipts ($ Mil.)	% Of U.S. Ship Recpt	% In Large Estab
		Total	Large			
3573	Electronic computing equipment	67	39	2,535.8	4.9110	93
3599	Machinery, except electrical, n.e.c.	33	4	101.8	.8895	31
3622	Industrial controls	7	2	107.2	2.0478	76
3651	Radio & TV receiving sets	6	4	157.8	2.1538	92
3662	Radio & TV communication equipment	24	6	1,342.6	3.9779	94
3674	Semiconductors & related devices	14	7	309.2	2.8267	95
3678	Electronic connectors	5	3	318.4	14.0055	98
3679	Electronic components n.e.c.	46	23	374.9	1.9166	82
3728	Aircraft equipment n.e.c.	22	13	1,484.5	12.3063	98
3761	Guided missiles & space vehicles	1	1	891.2	6.7467	100
3823	Industrial process-control instruments	11	3	89.8	2.2503	67
3841	Surgical & medical instruments	6	5	128.7	2.5432	99
3842	Surgical appliances & supplies	10	4	155.2	2.3291	88
3949	Sporting & athletic goods n.e.c.	7	3	73.3	1.8042	85
4912	*Nuclear power*	*1*	*1*	*739.3*	*2.6287*	*100*
7011	*Hotels, motels, & tourist courts*	*54*	*16*	*264.1*	*.8501*	*79*
7372	*Computer programming & software*	*32*	*5*	*146.1*	*1.2783*	*36*
7374	*Data-processing services*	*10*	*4*	*194.0*	*2.4138*	*30*
8062	*General medical & surgical hospitals*	*37*	*35*	*1,631.0*	*.9024*	*99*
8221	*Colleges & universities n.e.c.*	*5*	*4*	*71.1*	*.2664*	*99*
Placer	**All mfg.**	**16**	**8**	**434.7**	**.0202**	**92**
3573	Electronic computing equipment	1	1	207.5	.4019	100
8062	*General medical & surgical hospitals*	*2*	*2*	*84.2*	*.0466*	*100*
Plumas	**All mfg.**	**4**	**1**	**76.6**	**.0036**	**85**
Riverside	**All mfg.**	**141**	**57**	**1,910.9**	**.0886**	**77**
2711	Newspapers	8	3	122.9	.5560	88
3728	Aircraft equipment n.e.c.	1	1	193.3	1.6024	100
7011	*Hotels, motels, & tourist courts*	*32*	*7*	*94.2*	*.3032*	*64*
8062	*General medical & surgical hospitals*	*12*	*12*	*355.2*	*.1965*	*100*
Sacramento	**All mfg.**	**100**	**37**	**1,894.3**	**.0879**	**86**
2032	Canned food specialties	1	1	233.8	5.7924	100
2711	Newspapers	3	3	152.6	.6904	100
3764	Space-propulsion units & parts	1	1	144.1	6.2392	100
7011	*Hotels, motels, & tourist courts*	*18*	*5*	*63.9*	*.2057*	*61*
8062	*General medical & surgical hospitals*	*11*	*10*	*488.5*	*.2703*	*99*
8221	*Colleges & universities n.e.c.*	*2*	*2*	*70.3*	*.2634*	*100*
San Benito	**All mfg.**	**10**	**4**	**195.8**	**.0091**	**74**
San Bernardino	**All mfg.**	**175**	**58**	**2,516.4**	**.1167**	**80**
3721	Aircraft	1	1	247.8	.8568	100
4911	*Electric services*	*6*	*3*	*293.6*	*.2684*	*79*
8062	*General medical & surgical hospitals*	*18*	*15*	*667.5*	*.3694*	*98*
8221	*Colleges & universities n.e.c.*	*3*	*3*	*236.3*	*.8853*	*100*
San Diego	**All mfg.**	**461**	**183**	**7,639.9**	**.3543**	**84**
2711	Newspapers	14	6	190.4	.8614	88
2741	Miscellaneous publishing	8	4	70.6	2.2216	90
2869	Industrial organic chemicals n.e.c.	2	2	391.6	1.2278	100
3511	Turbines & turbine-generator set units	1	1	226.3	8.1094	100
3573	Electronic computing equipment	24	12	964.3	1.8675	94
3651	Radio & TV receiving sets	1	1	131.6	1.7962	100
3662	Radio & TV communication equipment	34	18	572.1	1.6950	91
3671	Electron tubes	1	1	83.8	4.9265	100
3674	Semiconductors & related devices	5	5	62.7	.5732	100
3679	Electronic components n.e.c.	28	13	356.6	1.8230	85
3724	Aircraft engines & engine parts	3	2	85.8	.9544	97
3728	Aircraft equipment n.e.c.	10	8	528.8	4.3837	98
3731	Ship building & repairing	7	6	74.7	.9507	94
3761	Guided missiles & space vehicles	1	1	711.4	5.3856	100
3811	Engineering & scientific instruments	7	4	71.4	1.8366	90
3825	Electricity-measuring instruments	8	5	149.5	2.6841	97
3841	Surgical & medical instruments	4	2	177.8	3.5135	96
3851	Ophthalmic goods	4	2	30.8	3.3643	94
4911	*Electric services*	*5*	*3*	*115.9*	*.1060*	*91*
4923	*Gas transmission & distribution*	*2*	*1*	*1,415.2*	*5.6702*	*99*
5081	*Commercial-equipment wholesalers*	*11*	*2*	*71.8*	*1.1801*	*79*
7011	*Hotels, motels, & tourist courts*	*68*	*28*	*459.7*	*1.4797*	*87*
7372	*Computer programming & software*	*20*	*7*	*163.5*	*1.4306*	*64*
7374	*Data-processing services*	*19*	*4*	*83.5*	*1.0389*	*53*
8062	*General medical & surgical hospitals*	*31*	*28*	*1,298.9*	*.7186*	*99*
San Francisco	**All mfg.**	**392**	**74**	**3,816.4**	**.1770**	**63**
1629	*Heavy construction n.e.c.*	*7*	*4*	*263.6*	*.9988*	*94*
2051	Bread, cake, & related products	12	2	89.7	.5632	55
2086	Bottled & canned soft drinks	4	3	145.8	.7679	98
2331	Women's & misses' blouses	2	2	123.9	3.4157	100
2711	Newspapers	20	6	309.6	1.4007	88
2752	Lithographic commercial printing	29	5	118.2	.9145	44
3429	Hardware n.e.c.	3	1	123.4	1.3603	95
3731	Ship building & repairing	9	5	106.1	1.3503	92
4923	*Gas transmission & distribution*	*1*	*1*	*1,469.1*	*5.8862*	*100*
5081	*Commercial-equipment wholesalers*	*15*	*4*	*53.3*	*.8760*	*53*
6025	*National banks, federal reserve system*	*6*	*6*	*6,911.4*	*5.0082*	*100*
7011	*Hotels, motels, & tourist courts*	*85*	*34*	*485.8*	*1.5637*	*83*
7374	*Data-processing services*	*18*	*6*	*79.6*	*.9904*	*76*
8062	*General medical & surgical hospitals*	*23*	*23*	*1,132.6*	*.6266*	*100*
8221	*Colleges & universities n.e.c.*	*7*	*3*	*49.4*	*.1851*	*74*
San Joaquin	**All mfg.**	**126**	**55**	**2,694.5**	**.1250**	**85**
2033	Canned fruits & vegetables	8	8	799.8	5.2920	100
8062	*General medical & surgical hospitals*	*8*	*6*	*245.9*	*.1360*	*94*
San Luis Obispo	**All mfg.**	**26**	**7**	**354.1**	**.0164**	**76**
8062	*General medical & surgical hospitals*	*7*	*6*	*186.9*	*.1034*	*98*
San Mateo	**All mfg.**	**231**	**59**	**2,719.5**	**.1261**	**71**
2851	Paints & allied products	6	3	138.8	1.2403	86
3662	Radio & TV communication equipment	5	2	111.7	.3309	90
3671	Electron tubes	1	1	57.9	3.4039	100
3825	Electricity-measuring instruments	3	3	55.4	.9946	100
7011	*Hotels, motels, & tourist courts*	*21*	*6*	*76.9*	*.2475*	*66*
8062	*General medical & surgical hospitals*	*9*	*8*	*316.3*	*.1750*	*99*
Santa Barbara	**All mfg.**	**105**	**43**	**1,787.6**	**.0829**	**82**
2899	Chemical preparations n.e.c.	1	1	235.1	2.2087	100
3662	Radio & TV communication equipment	10	4	332.7	.9857	91
3679	Electronic components n.e.c.	8	6	124.2	.6349	94
3721	Aircraft	1	1	123.4	.4267	100
7011	*Hotels, motels, & tourist courts*	*21*	*5*	*43.0*	*.1384*	*44*
8062	*General medical & surgical hospitals*	*10*	*9*	*221.3*	*.1224*	*98*
Santa Clara	**All mfg.**	**806**	**380**	**20,498.5**	**1.4144**	**93**
2033	Canned fruits & vegetables	14	13	983.7	6.5088	100
2034	Dehydrated fruits, vegetables, & soups	5	3	385.5	15.4490	97
2084	Wines, brandy, & brandy spirits	12	3	485.6	16.2392	81
2711	Newspapers	10	6	120.6	.5456	93
2834	Pharmaceutical preparations	3	3	276.1	1.2938	100
3489	Ordnance & accessories n.e.c.	1	1	320.6	16.2042	100
3559	Special-industry machinery n.e.c.	8	4	213.8	2.3872	87
3573	Electronic computing equipment	117	78	8,866.9	17.1723	96
3599	Machinery, except electrical, n.e.c.	26	3	121.8	1.0642	40
3661	Telephone & telegraph apparatus	8	5	1,925.4	10.1169	99
3662	Radio & TV communication equipment	51	25	1,405.8	4.1651	90
3671	Electron tubes	3	3	89.6	5.2675	100
3674	Semiconductors & related devices	53	37	3,248.2	29.6951	99
3679	Electronic components n.e.c.	106	59	2,337.2	11.9483	92
3711	Motor vehicles & passenger-car bodies	1	1	349.1	.3639	100
3724	Aircraft engines & engine parts	1	1	63.0	.7008	100
3728	Aircraft equipment n.e.c.	2	1	95.5	.7917	98
3761	Guided missiles & space vehicles	1	1	3,910.3	29.6024	100
3811	Engineering & scientific instruments	22	13	418.5	10.7650	96
3823	Industrial process-control instruments	10	5	70.4	1.7641	78
3825	Electricity-measuring instruments	26	17	855.8	15.3647	97
3832	Optical instruments & lenses	13	5	336.1	7.6170	83
3841	Surgical & medical instruments	12	6	108.4	2.1421	81
3861	Photographic equipment & supplies	9	5	172.5	1.5192	88
5065	*Electronic-parts wholesalers*	*25*	*8*	*895.0*	*9.1757*	*87*
5081	*Commercial-equipment wholesalers*	*19*	*9*	*611.4*	*10.0488*	*95*
7011	*Hotels, motels, & tourist courts*	*28*	*8*	*139.3*	*.4484*	*77*
7372	*Computer programming & software*	*58*	*25*	*792.1*	*6.9307*	*90*
7374	*Data-processing services*	*11*	*5*	*184.2*	*2.2919*	*82*
8062	*General medical & surgical hospitals*	*13*	*13*	*954.1*	*.5279*	*100*
8221	*Colleges & universities n.e.c.*	*5*	*2*	*82.9*	*.3106*	*93*
Santa Cruz	**All mfg.**	**50**	**21**	**1,443.3**	**.0669**	**91**
1611	*Highway & street construction*	*1*	*1*	*195.8*	*1.1321*	*100*
2037	Frozen fruits & vegetables	3	3	297.2	3.9609	100
3573	Electronic computing equipment	4	3	487.4	.9439	99
8062	*General medical & surgical hospitals*	*4*	*4*	*111.4*	*.0616*	*100*
8221	*Colleges & universities n.e.c.*	*3*	*1*	*99.4*	*.3724*	*97*
Shasta	**All mfg.**	**15**	**5**	**218.9**	**.0102**	**69**
8062	*General medical & surgical hospitals*	*4*	*3*	*95.8*	*.0530*	*98*
Sierra	**All mfg.**	**2**	**1**	**52.2**	**.0024**	**87**
Siskiyou	**All mfg.**	**8**		**50.6**	**.0023**	**0**
Solano	**All mfg.**	**28**	**12**	**762.5**	**.0354**	**88**
3731	Ship building & repairing	1	1	49.6	.6312	100
8062	*General medical & surgical hospitals*	*6*	*5*	*147.0*	*.0813*	*98*
Sonoma	**All mfg.**	**87**	**30**	**1,053.4**	**.0489**	**67**
3832	Optical instruments & lenses	3	2	83.5	1.8924	89
8062	*General medical & surgical hospitals*	*8*	*8*	*277.5*	*.1535*	*100*
Stanislaus	**All mfg.**	**80**	**33**	**2,668.2**	**.1237**	**85**
2033	Canned fruits & vegetables	7	7	483.6	3.1998	100
2038	Frozen food specialties	2	2	164.3	3.8378	100
2084	Wines, brandy, & brandy spirits	2	1	404.7	13.5338	97
8062	*General medical & surgical hospitals*	*8*	*5*	*258.2*	*.1429*	*95*
Sutter	**All mfg.**	**7**	**2**	**84.6**	**.0039**	**76**
Tehama	**All mfg.**	**5**	**3**	**113.0**	**.0052**	**91**
2421	General sawmills & planing mills	2	2	89.3	.8803	100
Trinity	**All mfg.**	**2**		**20.9**	**.0010**	**0**
Tulare	**All mfg.**	**58**	**23**	**828.6**	**.0384**	**80**
8062	*General medical & surgical hospitals*	*7*	*7*	*153.0*	*.0846*	*100*

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil)	% Of U S Ship Recpt	% In Large Estab
Tuolumne	**All mfg.**	**6**	**2**	**93.2**	**.0043**	**83**
Ventura	**All mfg.**	**140**	**51**	**2,478.1**	**.1149**	**81**
2037	Frozen fruits & vegetables	2	2	339 6	4.5260	100
3573	Electronic computing equipment	10	4	124.1	.2403	80
3662	Radio & TV communication equipment	9	5	228.6	.6773	91
3679	Electronic components n.e.c.	9	4	155.4	.7944	88
3842	Surgical appliances & supplies	1	1	101.3	1.5202	100
7011	*Hotels, motels, & tourist courts*	*10*	*4*	*37.6*	*.1210*	*83*
8062	*General medical & surgical hospitals*	*13*	*10*	*391.2*	*.2164*	*95*
Yolo	**All mfg.**	**32**	**13**	**707.4**	**.0328**	**87**
2033	Canned fruits & vegetables	2	2	240.4	1.5907	100
Yuba	**All mfg.**	**8**	**2**	**70.8**	**.0033**	**65**
STATE TOTAL	**All mfg.**	**9,770**	**3,398**	**187,771.6**	**8.7082**	**84**

COLORADO

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil)	% Of U S Ship Recpt	% In Large Estab
Adams	**All mfg.**	**72**	**22**	**1,112.7**	**.0516**	**81**
Alamosa	**All mfg.**	**2**		**5.8**	**.0003**	**0**
Arapahoe	**All mfg.**	**115**	**33**	**1,979.0**	**.0918**	**83**
2741	Miscellaneous publishing	3	3	127.7	4.0184	100
3494	Valves & pipe fittings	3	2	144.6	1.2753	97
3599	Machinery, except electrical, n.e.c.	5	1	79.8	.6973	88
3761	Guided missiles & space vehicles	1	1	709.3	5.3697	100
3825	Electricity-measuring instruments	1	1	83.6	1.5009	100
3841	Surgical & medical instruments	9	4	99.5	1.9662	89
8062	*General medical & surgical hospitals*	*2*	*2*	*64.9*	*.0359*	*100*
Archuleta	**All mfg.**	**1**		**1.7**	**.0001**	**0**
Baca	**All mfg.**	**1**		**12.5**	**.0006**	**0**
Bent	**All mfg.**	**1**		**9.6**	**.0004**	**0**
Boulder	**All mfg.**	**131**	**53**	**3,114.5**	**.1444**	**89**
2834	Pharmaceutical preparations	4	3	123.1	.5768	96
3573	Electronic computing equipment	8	5	630.8	1.2217	97
3579	Office machines n.e.c.	1	1	234.2	2.0583	100
3679	Electronic components n.e.c.	9	3	84.9	.4340	73
3841	Surgical & medical instruments	2	2	72.7	1.4366	100
3861	Photographic equipment & supplies	1	1	928.6	8.1779	100
4931	*Electric & other services combined*	*1*	*1*	*1,107.8*	*3.7457*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*101.7*	*.3810*	*100*
Chaffee	**All mfg.**	**3**		**15.9**	**.0007**	**0**
Conejos	**All mfg.**	**1**		**14.0**	**.0006**	**0**
Costilla	**All mfg.**	**1**		**4.5**	**.0002**	**0**
Delta	**All mfg.**	**5**	**1**	**57.0**	**.0026**	**41**
Denver	**All mfg.**	**380**	**98**	**4,862.6**	**.2255**	**71**
1311	*Crude petroleum & natural gas*	*90*	*2*	*1,443.1*	*4.0158*	*12*
1381	*Oil- & gas-well drilling services*	*20*	*3*	*82.9*	*2.2856*	*30*
1382	*Oil- & gas-field exploration services*	*56*	*1*	*190.8*	*8.2043*	*4*
1629	*Heavy construction n.e.c.*	*2*	*1*	*152.4*	*.5775*	*98*
2051	Bread, cake, & related products	10	6	228.8	1.4365	95
2052	Cookies & crackers	1	1	114.0	2.4758	100
2086	Bottled & canned soft drinks	3	2	160.1	.8432	95
2711	Newspapers	7	2	213.7	.9668	95
2752	Lithographic commercial printing	19	4	119.4	.9238	56
3041	Rubber & plastic hose & belting	1	1	69.0	3.2213	100
3161	Luggage	1	1	157.7	23.5057	100
3295	Ground or treated minerals & earths	1	1	118.5	2.3487	100
3661	Telephone & telegraph apparatus	1	1	423.6	2.2258	100
3728	Aircraft equipment n.e.c.	3	2	98.8	.8190	97
4011	*Line-haul-operating railroads*	*3*	*3*	*466.9*	*1.8873*	*100*
6025	*National banks, federal reserve system*	*17*	*5*	*915.1*	*.6631*	*91*
7011	*Hotels, motels, & tourist courts*	*47*	*25*	*296.1*	*.9531*	*86*
8062	*General medical & surgical hospitals*	*20*	*19*	*1,187.5*	*.6570*	*100*
8221	*Colleges & universities n.e.c.*	*5*	*4*	*81.5*	*.3053*	*98*
Douglas	**All mfg.**	**5**	**1**	**22.1**	**.0010**	**56**
Eagle	**All mfg.**	**3**	**1**	**17.6**	**.0008**	**69**
7011	*Hotels, motels, & tourist courts*	*16*	*4*	*39.3*	*.1265*	*52*
Elbert	**All mfg.**	**1**		**12.3**	**.0006**	**0**
El Paso	**All mfg.**	**94**	**34**	**1,714.5**	**.0795**	**82**
3573	Electronic computing equipment	2	2	348.6	.6751	100
3599	Machinery, except electrical, n.e.c.	6	3	81.3	.7104	90
3662	Radio & TV communication equipment	4	3	220.1	.6521	97
3674	Semiconductors & related devices	3	3	129.5	1.1839	100
3825	Electricity-measuring instruments	2	1	105.8	1.8995	98
7011	*Hotels, motels, & tourist courts*	*17*	*4*	*52.5*	*.1690*	*67*
8062	*General medical & surgical hospitals*	*5*	*5*	*169.1*	*.0936*	*100*
8221	*Colleges & universities n.e.c.*	*3*	*3*	*94.7*	*.3548*	*100*
Fremont	**All mfg.**	**11**	**2**	**158.7**	**.0074**	**54**
Garfield	**All mfg.**	**2**	**1**	**13.2**	**.0006**	**92**
Jackson	**All mfg.**	**1**		**6.4**	**.0003**	**0**
Jefferson	**All mfg.**	**79**	**23**	**2,071.8**	**.0961**	**90**
2082	Malt beverages	1	1	769.3	6.8264	100
3264	Porcelain electrical supplies	1	1	36.2	5.2808	100
3411	Metal cans	2	2	268.8	2.4487	100
3483	Ammunition, except small-arms, n.e.c.	1	1	272.7	18.5170	100
3841	Surgical & medical instruments	2	2	64.6	1.2766	100
3842	Surgical appliances & supplies	4	2	88.7	1.3312	94
8062	*General medical & surgical hospitals*	*2*	*2*	*59.5*	*.0329*	*100*
La Plata	**All mfg.**	**9**	**4**	**129.4**	**.0060**	**79**
Larimer	**All mfg.**	**69**	**18**	**1,303.2**	**.0604**	**82**
3574	Calculating & accounting machines	1	1	467.3	18.6681	100
3811	Engineering & scientific instruments	1	1	135.1	3.4752	100
8062	*General medical & surgical hospitals*	*3*	*2*	*94.1*	*.0521*	*96*
Las Animas	**All mfg.**	**2**		**9.7**	**.0004**	**0**
8062	*General medical & surgical hospitals*	*1*	*1*	*101.2*	*.0560*	*100*
Logan	**All mfg.**	**12**	**1**	**78.2**	**.0036**	**18**
Mesa	**All mfg.**	**29**	**7**	**401.3**	**.0186**	**78**
8062	*General medical & surgical hospitals*	*5*	*4*	*70.3*	*.0389*	*97*
Mineral	**All mfg.**	**1**		**11.6**	**.0005**	**0**
Moffat	**All mfg.**	**1**		**1.6**	**.0001**	**0**
Montezuma	**All mfg.**	**5**		**14.3**	**.0007**	**0**
Montrose	**All mfg.**	**6**	**1**	**46.4**	**.0022**	**70**
Morgan	**All mfg.**	**8**	**4**	**263.5**	**.0122**	**95**
Otero	**All mfg.**	**8**	**2**	**91.4**	**.0042**	**58**
Pitkin	**All mfg.**	**1**	**1**	**113.2**	**.0052**	**100**
2711	Newspapers	1	1	113.2	.5121	100
Prowers	**All mfg.**	**6**	**1**	**28.4**	**.0013**	**31**
Pueblo	**All mfg.**	**27**	**9**	**451.9**	**.0210**	**76**
3312	Blast furnaces & steel mills	1	1	194.2	.6562	100
8062	*General medical & surgical hospitals*	*3*	*3*	*177.7*	*.0983*	*100*
Rio Grande	**All mfg.**	**6**		**38.8**	**.0018**	**0**
Routt	**All mfg.**	**1**		**4.7**	**.0002**	**0**
Sedgwick	**All mfg.**	**1**	**1**	**15.8**	**.0007**	**100**
Washington	**All mfg.**	**2**		**22.7**	**.0011**	**0**
Weld	**All mfg.**	**28**	**10**	**1,167.4**	**.0541**	**90**
2011	Meat-packing plants	1	1	542.4	1.2146	100
3861	Photographic equipment & supplies	1	1	234.3	2.0634	100
4912	*Nuclear power*	*2*	*2*	*316.5*	*1.1254*	*100*
8062	*General medical & surgical hospitals*	*2*	*1*	*60.2*	*.0333*	*96*
STATE TOTAL	**All mfg.**	**1,131**	**328**	**19,399.9**	**.8997**	**80**

CONNECTICUT

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil)	% Of U S Ship Recpt	% In Large Estab
Fairfield	**All mfg.**	**842**	**271**	**12,361.0**	**.5733**	**82**
2051	Bread, cake, & related products	8	4	478.5	3.0042	98
2342	Brassieres, girdles, & allied garments	6	3	52.6	5.7885	90
2711	Newspapers	17	5	128.0	.5791	78
2721	Periodicals	23	6	315.8	2.5829	73
2731	Book publishing	7	2	190.4	1.9397	85
2751	Letterpress commercial printing	25	2	64.1	.6851	46
2844	Toilet preparations	3	1	323.3	2.6247	97
3079	Miscellaneous plastics products	22	6	74.5	.3127	57
3469	Metal stampings n.e.c.	10	4	91.0	.7792	71
3482	Small-arms ammunition	1	1	110.6	6.7156	100
3511	Turbines & turbine-generator set units	2	2	76.2	2.7306	100
3519	Internal-combustion engines n.e.c.	1	1	129.0	1.3006	100
3541	Metal-cutting machine tools	9	4	105.4	2.4186	90
3562	Ball & roller bearings	3	3	120.8	3.2512	100
3573	Electronic computing equipment	20	8	621.8	1.2042	91
3579	Office machines n.e.c.	3	2	884.1	7.7699	98
3643	Current-carrying wiring devices	8	7	125.7	4.6195	98
3662	Radio & TV communication equipment	27	9	328.6	.9736	80
3679	Electronic components n.e.c.	23	10	167.7	.8573	83
3721	Aircraft	2	1	1,227.3	4.2436	100
3724	Aircraft engines & engine parts	2	2	306.1	3.4051	100
3811	Engineering & scientific instruments	9	5	61.4	1.5794	94
3823	Industrial process-control instruments	8	3	69.7	1.7466	73
3829	Measuring & controlling devices n.e.c.	10	6	177.6	6.6702	93
3832	Optical instruments & lenses	6	5	560.2	12.6958	100
3841	Surgical & medical instruments	13	5	259.6	5.1299	94
3842	Surgical appliances & supplies	8	4	84.7	1.2711	86
3861	Photographic equipment & supplies	8	4	213.4	1.8793	89
6025	*National banks, federal reserve system*	*6*	*4*	*522.8*	*.3788*	*96*
7011	*Hotels, motels, & tourist courts*	*24*	*9*	*96.6*	*.3109*	*73*
7372	*Computer programming & software*	*11*	*4*	*177.5*	*1.5531*	*90*
8062	*General medical & surgical hospitals*	*12*	*12*	*575.8*	*.3186*	*100*
Hartford	**All mfg.**	**814**	**250**	**10,945.5**	**.5076**	**81**
1629	*Heavy construction n.e.c.*	*3*	*1*	*1,042.0*	*3.9482*	*99*
2032	Canned food specialties	1	1	308.4	7.6407	100
2512	Upholstered wood household furniture	2	1	98.1	1.9495	98
2621	Paper mills, except building paper	3	2	152.6	.7593	96
2711	Newspapers	11	5	120.4	.5447	88
2751	Letterpress commercial printing	23	5	51.4	.5494	54
2752	Lithographic commercial printing	14	6	130.4	1.0089	82
3079	Miscellaneous plastics products	26	4	93.6	.3929	46
3316	Cold-rolled steel sheet, strip, & bars	2	2	76.1	1.1725	100
3423	Hand & edge tools n.e.c.	6	3	99.4	2.9899	84
3429	Hardware n.e.c.	8	4	319.0	3.5166	95
3451	Screw-machine products	22	1	76.4	3.4484	38
3471	Plating & polishing	13	4	81.0	3.3239	80
3484	Small arms	2	2	95.9	6.8623	100
3495	Wire springs	19	7	340.2	17.0006	73

1986 S&MM Est

CONNECTICUT (Hartford, cont.)

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
3544	Special dies, tools, jigs, & fixtures	29	2	86.4	1.5021	31
3545	Machine-tool accessories	26	8	104.3	3.1687	64
3562	Ball & roller bearings	8	7	429.6	11.5621	98
3599	Machinery, except electrical, n.e.c.	42	7	174.7	1.5264	50
3613	Switchgear & switchboard apparatus	8	6	320.7	6.4208	99
3622	Industrial controls	9	5	122.6	2.3420	88
3643	Current-carrying wiring devices	5	3	35.2	1.2936	92
3674	Semiconductors & related devices	1	1	180.4	1.6492	100
3679	Electronic components n.e.c.	12	5	162.8	.8323	90
3699	Electrical equipment & supplies n.e.c.	4	2	232.1	10.9979	96
3714	Motor-vehicle parts & accessories	2	1	137.6	.3599	95
3724	Aircraft engines & engine parts	22	11	1,475.2	16.4103	97
3728	Aircraft equipment n.e.c.	14	7	830.9	6.8881	97
4931	*Electric & other services combined*	*3*	*2*	*648.5*	*2.1927*	*99*
5084	*Industrial-machinery distributors*	*17*	*2*	*152.9*	*.8981*	*57*
6025	*National banks, federal reserve system*	*5*	*1*	*280.2*	*.2030*	*86*
7011	*Hotels, motels, & tourist courts*	*29*	*11*	*100.7*	*.3241*	*75*
7374	*Data-processing services*	*17*	*2*	*295.0*	*3.6705*	*33*
8062	*General medical & surgical hospitals*	*13*	*13*	*872.6*	*.4828*	*100*
8221	*Colleges & universities n.e.c.*	*6*	*4*	*102.6*	*.3844*	*97*
Litchfield	**All mfg.**	**164**	**55**	**1,769.3**	**.0821**	**79**
2647	Sanitary paper products	1	1	266.0	2.8567	100
3562	Ball & roller bearings	3	3	90.9	2.4464	100
8062	*General medical & surgical hospitals*	*5*	*4*	*74.8*	*.0414*	*97*
Middlesex	**All mfg.**	**137**	**47**	**5,031.8**	**.2334**	**94**
3079	Miscellaneous plastics products	10	4	74.0	.3106	84
3469	Metal stampings n.e.c.	5	1	3,831.4	32.8070	100
3728	Aircraft equipment n.e.c.	4	4	116.0	.9616	100
4912	*Nuclear power*	*1*	*1*	*312.4*	*1.1108*	*100*
8062	*General medical & surgical hospitals*	*2*	*2*	*119.2*	*.0659*	*100*
New Haven	**All mfg.**	**844**	**262**	**9,393.5**	**.4356**	**78**
1611	*Highway & street construction*	*5*	*2*	*31.9*	*.1844*	*70*
2711	Newspapers	14	7	130.9	.5922	87
2751	Letterpress commercial printing	25	3	58.7	.6274	29
2821	Plastics materials & synthetic resins	4	2	432.1	2.0282	95
2899	Chemical preparations n.e.c.	8	4	152.6	1.4336	82
3079	Miscellaneous plastics products	31	6	96.7	.4059	52
3316	Cold-rolled steel sheet, strip, & bars	5	4	288.3	4.4421	96
3351	Copper rolling & drawing	6	6	269.8	7.9229	100
3357	Nonferrous-wire drawing & insulating	11	8	280.9	3.9934	93
3421	Cutlery	3	2	158.9	19.9799	96
3429	Hardware n.e.c.	11	6	165.1	1.8200	88
3451	Screw-machine products	37	5	105.9	4.7800	39
3452	Bolts, nuts, rivets, & washers	10	6	120.2	3.1111	89
3469	Metal stampings n.e.c.	27	9	196.4	1.6817	71
3484	Small arms	4	3	197.9	14.1610	96
3544	Special dies, tools, jigs, & fixtures	18	1	61.1	1.0623	40
3569	General industrial machinery n.e.c.	9	3	72.3	1.2744	72
3573	Electronic computing equipment	8	6	232.2	.4497	93
3662	Radio & TV communication equipment	11	4	172.9	.5123	88
3679	Electronic components n.e.c.	17	6	134.1	.6856	81
3714	Motor-vehicle parts & accessories	7	5	239.3	.6258	96
3724	Aircraft engines & engine parts	2	1	162.9	1.8121	97
3811	Engineering & scientific instruments	5	2	31.8	.8180	89
3823	Industrial process-control instruments	5	2	87.1	2.1826	89
3841	Surgical & medical instruments	10	5	106.1	2.0966	90
3873	Watches, clocks, & watchcases	1	1	284.1	15.4553	100
3914	Silverware & plated & stainless ware	6	3	46.4	8.4966	83
3951	Pens & mechanical pencils	1	1	244.8	23.7670	100
4911	*Electric services*	*8*	*2*	*480.9*	*.4397*	*88*
8062	*General medical & surgical hospitals*	*13*	*13*	*750.9*	*.4154*	*100*
8221	*Colleges & universities n.e.c.*	*4*	*3*	*120.6*	*.4518*	*98*
New London	**All mfg.**	**111**	**41**	**2,876.6**	**.1334**	**91**
2329	Men's & boys' clothing n.e.c.	1	1	79.9	4.5050	100
2819	Industrial inorganic chemicals n.e.c.	1	1	135.7	.7965	100
3429	Hardware n.e.c.	1	1	162.6	1.7925	100
3731	Ship building & repairing	4	3	1,301.7	16.5661	100
4912	*Nuclear power*	*2*	*2*	*633.5*	*2.2525*	*100*
8062	*General medical & surgical hospitals*	*5*	*5*	*190.4*	*.1053*	*100*
8221	*Colleges & universities n.e.c.*	*3*	*2*	*63.4*	*.2375*	*98*
Tolland	**All mfg.**	**38**	**13**	**218.4**	**.0138**	**67**
8062	*General medical & surgical hospitals*	*3*	*3*	*68.7*	*.0380*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*67.8*	*.2540*	*100*
Windham	**All mfg.**	**85**	**34**	**971.9**	**.0451**	**76**
2284	Thread mills	2	2	58.6	12.4522	100
STATE TOTAL	**All mfg.**	**3,035**	**973**	**43,648.0**	**2.0242**	**82**

DELAWARE

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Kent	**All mfg.**	**31**	**15**	**640.6**	**.0297**	**87**
2099	Food preparations n.e.c.	1	1	137.2	1.1721	100
8062	*General medical & surgical hospitals*	*3*	*3*	*75.1*	*.0432*	*100*
New Castle	**All mfg.**	**169**	**55**	**6,219.8**	**.2885**	**91**
1611	*Highway & street construction*	*12*	*3*	*122.5*	*.7083*	*61*
2819	Industrial inorganic chemicals n.e.c.	3	2	166.9	.9797	96
2821	Plastics materials & synthetic resins	8	4	287.0	1.3471	84
3711	Motor vehicles & passenger-car bodies	2	2	3,455.8	3.6021	100
6025	*National banks, federal reserve system*	*5*	*2*	*280.3*	*.2031*	*96*
7011	*Hotels, motels, & tourist courts*	*16*	*6*	*72.9*	*.2346*	*79*
8062	*General medical & surgical hospitals*	*8*	*8*	*386.8*	*.2140*	*100*
Sussex	**All mfg.**	**55**	**14**	**1,328.4**	**.0616**	**81**
2016	Poultry-dressing plants	4	3	144.6	2.1353	99
2037	Frozen fruits & vegetables	3	2	156.7	2.0884	97
2824	Noncellulosic synthetic organic fibers	1	1	421.3	6.0013	100
8062	*General medical & surgical hospitals*	*5*	*5*	*123.4*	*.0683*	*100*
STATE TOTAL	**All mfg.**	**255**	**84**	**8,188.8**	**.3798**	**89**

DISTRICT OF COLUMBIA

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
District of Columbia	**All mfg.**	**132**	**32**	**2,443.5**	**.1133**	**83**
2051	Bread, cake, & related products	4	3	78.9	.4954	97
2711	Newspapers	8	2	434.6	1.9662	95
2721	Periodicals	28	7	722.7	5.9110	84
2741	Miscellaneous publishing	6	1	96.7	3.0429	80
2751	Letterpress commercial printing	9	2	280.7	3.0001	96
2752	Lithographic commercial printing	21	5	254.3	1.9676	78
4924	*Natural-gas distribution*	*2*	*1*	*665.8*	*3.2932*	*96*
6025	*National banks, federal reserve system*	*13*	*8*	*1,161.1*	*.8414*	*95*
7011	*Hotels, motels, & tourist courts*	*68*	*35*	*579.8*	*1.8662*	*89*
8062	*General medical & surgical hospitals*	*16*	*15*	*1,463.1*	*.8095*	*100*
8221	*Colleges & universities n.e.c.*	*9*	*6*	*145.6*	*.5455*	*96*
STATE TOTAL	**All mfg.**	**132**	**32**	**2,443.5**	**.1133**	**83**

FLORIDA

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Alachua	**All mfg.**	**46**	**13**	**445.9**	**.0207**	**59**
3691	Storage batteries	2	2	126.0	4.4034	100
8062	*General medical & surgical hospitals*	*5*	*5*	*316.2*	*.1749*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*157.5*	*.5901*	*100*
Baker	**All mfg.**	**3**		**16.7**	**.0008**	**0**
8062	*General medical & surgical hospitals*	*2*	*1*	*56.5*	*.0313*	*95*
Bay	**All mfg.**	**34**	**13**	**474.9**	**.0220**	**78**
8062	*General medical & surgical hospitals*	*3*	*3*	*84.1*	*.0465*	*100*
Bradford	**All mfg.**	**11**	**1**	**115.6**	**.0054**	**8**
Brevard	**All mfg.**	**135**	**44**	**2,423.6**	**.1124**	**87**
3573	Electronic computing equipment	8	4	244.6	.4737	93
3662	Radio & TV communication equipment	13	11	605.7	1.7946	99
3674	Semiconductors & related devices	2	1	88.2	.8063	96
3761	Guided missiles & space vehicles	10	8	753.1	5.7012	99
3769	Space-vehicle equipment n.e.c.	4	3	209.0	5.2176	97
7372	*Computer programming & software*	*11*	*7*	*130.1*	*1.1383*	*93*
8062	*General medical & surgical hospitals*	*5*	*5*	*128.9*	*.0713*	*100*
Broward	**All mfg.**	**356**	**77**	**3,432.8**	**.1592**	**69**
1422	*Crushed- & broken-limestone quarrying*	*9*	*4*	*111.0*	*3.9634*	*87*
2711	Newspapers	10	4	236.4	1.0695	92
3573	Electronic computing equipment	11	5	549.1	1.0634	96
3662	Radio & TV communication equipment	6	6	459.9	1.3626	100
3674	Semiconductors & related devices	4	2	97.5	.8913	93
3679	Electronic components n.e.c.	11	7	62.8	.3210	86
7011	*Hotels, motels, & tourist courts*	*58*	*13*	*202.2*	*.6508*	*65*
8062	*General medical & surgical hospitals*	*21*	*20*	*887.8*	*.4912*	*100*
Calhoun	**All mfg.**	**4**	**2**	**33.6**	**.0016**	**53**
Charlotte	**All mfg.**	**6**		**16.1**	**.0007**	**0**
8062	*General medical & surgical hospitals*	*3*	*3*	*79.1*	*.0438*	*100*
Citrus	**All mfg.**	**6**	**2**	**79.0**	**.0037**	**87**
4912	*Nuclear power*	*1*	*1*	*645.6*	*2.2956*	*100*
Clay	**All mfg.**	**22**	**4**	**196.9**	**.0091**	**56**
Collier	**All mfg.**	**13**	**1**	**44.0**	**.0020**	**25**
Columbia	**All mfg.**	**13**	**4**	**467.9**	**.0217**	**89**
8062	*General medical & surgical hospitals*	*4*	*4*	*70.6*	*.0391*	*100*
Dade	**All mfg.**	**784**	**212**	**6,764.7**	**.3137**	**68**
1623	*Pipe- & utility-line construction*	*6*	*3*	*100.7*	*1.6953*	*94*
2026	Fluid milk	5	5	258.0	1.3102	100
2051	Bread, cake, & related products	10	7	136.7	.8583	91
2086	Bottled & canned soft drinks	9	4	175.3	.9233	82
2321	Men's & boys' shirts & nightwear	9	2	41.1	1.1463	60

DEFINITIONS: **SIC Industry**: Classification by primary product or service. **Total Establishments**: Those with 20 or more employees. **Large Establishments**: Those with 100 or more employees. **Shipments/Receipts**: Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.**: Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments**: Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.**: Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.**: Not Elsewhere Classified.

1986 S&MM Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
2335	Women's & misses' dresses	27	5	74.5	2.1297	54
2339	Women's & misses' outerwear n.e.c.	27	2	38.1	1.2428	31
2711	Newspapers	12	3	156.3	[illegible]	84
2831	Biological products	4	4	134.3	8.7532	100
2834	Pharmaceutical preparations	4	1	152.1	.7127	89
3021	Rubber & plastic footwear	3	3	60.4	10.6488	100
3079	Miscellaneous plastics products	21	5	76.6	.3215	57
3241	Hydraulic cement	4	3	131.1	2.6761	93
3272	Concrete products n.e.c.	15	4	87.6	[illegible]	69
3442	Metal doors, sash, & trim	28	11	212.3	2.8510	70
3444	Sheet-metal work	18	3	179.4	1.5138	43
3661	Telephone & telegraph apparatus	1	1	252.8	1.3283	100
3693	X-ray apparatus & tubes	1	1	201.3	3.7984	100
3732	Boat building & repairing	16	6	95.1	4.3570	79
3811	Engineering & scientific instruments	5	5	48.5	1.2476	100
3825	Electricity-measuring instruments	3	2	71.3	1.2801	95
3841	Surgical & medical instruments	7	3	193.9	3.8316	97
4911	Electric services	2	1	1,968.5	1.7998	99
6025	National banks, federal reserve system	38	8	1,541.9	1.1173	46
7011	Hotels, motels, & tourist courts	99	41	585.9	1.8859	82
8062	General medical & surgical hospitals	33	32	1,623.8	.8984	100
8221	Colleges & universities n.e.c.	3	3	89.7	.3361	100
De Soto	**All mfg.**	**3**	**1**	**18.8**	**.0009**	**37**
8062	General medical & surgical hospitals	2	2	57.7	.0319	100
Dixie	**All mfg.**	**4**	**3**	**38.5**	**.0018**	**85**
Duval	**All mfg.**	**226**	**67**	**3,070.2**	**.1424**	**74**
1629	Heavy construction n.e.c.	7	1	256.9	.9734	80
2631	Paperboard mills	2	2	149.6	1.8450	100
3731	Ship building & repairing	4	4	201.8	2.5682	100
4011	Line-haul-operating railroads	1	1	392.6	1.5869	100
6025	National banks, federal reserve system	11	6	911.0	.6601	95
7011	Hotels, motels, & tourist courts	30	3	55.9	.1799	26
8062	General medical & surgical hospitals	11	11	464.7	.2571	100
Escambia	**All mfg.**	**48**	**13**	**1,377.9**	**.0639**	**88**
2621	Paper mills, except building paper	1	1	145.3	.7230	100
2824	Noncellulosic synthetic organic fibers	1	1	607.1	8.6480	100
8062	General medical & surgical hospitals	4	4	226.0	.1250	100
Flagler	**All mfg.**	**2**	**1**	**15.3**	**.0007**	**51**
Franklin	**All mfg.**	**4**		**18.7**	**.0009**	**0**
Gadsden	**All mfg.**	**21**	**9**	**300.3**	**.0139**	**85**
8062	General medical & surgical hospitals	2	2	148.3	.0820	100
Gilchrist	**All mfg.**	**1**		**1.2**	**.0001**	**0**
Gulf	**All mfg.**	**6**	**4**	**79.3**	**.0037**	**94**
Hamilton	**All mfg.**	**4**	**2**	**136.4**	**.0063**	**94**
2874	Phosphatic fertilizers	1	1	120.5	2.5518	100
Hardee	**All mfg.**	**7**	**1**	**52.0**	**.0024**	**25**
Hendry	**All mfg.**	**5**	**2**	**109.5**	**.0051**	**65**
Hernando	**All mfg.**	**13**	**4**	**155.2**	**.0072**	**78**
3662	Radio & TV communication equipment	2	2	69.8	.2068	100
8062	General medical & surgical hospitals	3	3	86.2	.0477	100
Highlands	**All mfg.**	**15**	**3**	**94.0**	**.0044**	**51**
Hillsborough	**All mfg.**	**317**	**96**	**4,643.5**	**.2153**	**77**
2092	Fresh or frozen packaged seafoods	7	5	198.6	7.1193	92
2121	Cigars	9	4	52.9	12.3138	82
2711	Newspapers	7	2	101.8	.4606	92
2874	Phosphatic fertilizers	3	3	749.1	15.8634	100
3662	Radio & TV communication equipment	5	3	227.1	.6729	96
3679	Electronic components n.e.c.	3	2	74.5	.3809	98
3691	Storage batteries	2	2	156.9	5.4833	100
3731	Ship building & repairing	5	3	144.7	1.8415	94
4911	Electric services	3	1	819.7	.7494	95
7011	Hotels, motels, & tourist courts	30	10	116.9	.3763	70
7374	Data-processing services	7	2	155.5	1.9348	94
8062	General medical & surgical hospitals	16	15	594.4	.3289	99
8221	Colleges & universities n.e.c.	4	2	98.6	.3694	97
Holmes	**All mfg.**	**6**	**3**	**36.7**	**.0017**	**74**
Indian River	**All mfg.**	**18**	**3**	**179.0**	**.0083**	**70**
3721	Aircraft	1	1	105.1	.3631	100
Jackson	**All mfg.**	**18**	**7**	**140.1**	**.0065**	**55**
Jefferson	**All mfg.**	**4**		**37.3**	**.0017**	**0**
Lafayette	**All mfg.**	**2**		**5.6**	**.0003**	**0**
Lake	**All mfg.**	**41**	**8**	**402.4**	**.0187**	**67**
Lee	**All mfg.**	**70**	**15**	**493.3**	**.0229**	**50**
7011	Hotels, motels, & tourist courts	22	6	42.2	.1358	63
8062	General medical & surgical hospitals	2	2	73.5	.0407	100
Leon	**All mfg.**	**30**	**7**	**180.6**	**.0084**	**44**
8062	General medical & surgical hospitals	3	3	151.9	.0840	100
8221	Colleges & universities n.e.c.	2	2	150.2	.5627	100
Levy	**All mfg.**	**6**	**2**	**94.4**	**.0044**	**84**
Liberty	**All mfg.**	**3**	**1**	**21.5**	**.0010**	**70**
Madison	**All mfg.**	**7**	**4**	**231.6**	**.0107**	**94**
Manatee	**All mfg.**	**58**	**14**	**933.5**	**.0433**	**83**
2033	Canned fruits & vegetables	1	1	571.2	3.7795	100
8062	General medical & surgical hospitals	1	1	60.5	.0335	100
Marion	**All mfg.**	**66**	**18**	**900.9**	**.0418**	**70**
3674	Semiconductors & related devices	1	1	115.8	1.0586	100
Martin	**All mfg.**	**20**	**6**	**202.4**	**.0094**	**76**
8062	General medical & surgical hospitals	1	1	58.9	.0326	100
Monroe	**All mfg.**	**5**		**22.2**	**.0010**	**0**
7011	Hotels, motels, & tourist courts	18	3	52.2	.1680	60
Nassau	**All mfg.**	**9**	**4**	**214.2**	**.0099**	**93**
Okaloosa	**All mfg.**	**25**	**10**	**228.4**	**.0106**	**72**
3662	Radio & TV communication equipment	2	2	68.5	.2030	100
8062	General medical & surgical hospitals	5	5	95.9	.0531	100
Okeechobee	**All mfg.**	**6**		**46.1**	**.0021**	**0**
Orange	**All mfg.**	**219**	**61**	**2,985.4**	**.1385**	**75**
2711	Newspapers	3	1	142.0	.6424	95
2731	Book publishing	1	1	110.4	1.1247	100
3679	Electronic components n.e.c.	5	3	64.8	.3313	95
3769	Space-vehicle equipment n.e.c.	1	1	341.5	8.5254	100
5081	Commercial-equipment wholesalers	13	3	62.2	1.0223	56
7011	Hotels, motels, & tourist courts	57	23	431.8	1.3899	86
8062	General medical & surgical hospitals	10	10	432.3	.2392	100
8221	Colleges & universities n.e.c.	2	2	81.5	.3053	100
Osceola	**All mfg.**	**15**	**4**	**93.9**	**.0044**	**66**
7011	Hotels, motels, & tourist courts	23	11	107.9	.3473	84
Palm Beach	**All mfg.**	**173**	**50**	**4,160.7**	**.1930**	**89**
1611	Highway & street construction	6	3	141.5	.8182	88
1623	Pipe- & utility-line construction	6	3	129.2	2.1750	94
2033	Canned fruits & vegetables	3	1	220.1	1.4563	96
2061	Raw cane sugar	6	6	654.9	23.2382	100
2711	Newspapers	7	2	76.8	.3474	90
3273	Ready-mixed concrete	9	1	192.7	2.2891	90
3573	Electronic computing equipment	1	1	998.6	1.9340	100
3662	Radio & TV communication equipment	5	2	169.9	.5034	95
3679	Electronic components n.e.c.	5	4	84.9	.4340	98
3724	Aircraft engines & engine parts	3	3	477.1	5.3073	100
6025	National banks, federal reserve system	13	3	899.2	.6516	92
7011	Hotels, motels, & tourist courts	34	9	225.7	.7265	82
8062	General medical & surgical hospitals	13	12	375.4	.2077	97
8221	Colleges & universities n.e.c.	1	1	48.5	.1817	100
Pasco	**All mfg.**	**28**	**5**	**499.7**	**.0232**	**84**
2037	Frozen fruits & vegetables	2	2	367.1	4.8925	100
8062	General medical & surgical hospitals	5	5	114.6	.0634	100
Pinellas	**All mfg.**	**308**	**87**	**3,125.4**	**.1449**	**72**
2711	Newspapers	4	2	96.7	.4375	96
2751	Letterpress commercial printing	9	4	90.9	.9715	91
3662	Radio & TV communication equipment	8	2	540.4	1.6011	96
3674	Semiconductors & related devices	2	1	32.7	.2989	88
3679	Electronic components n.e.c.	8	5	100.1	.5117	91
3811	Engineering & scientific instruments	3	2	45.8	1.1781	97
3825	Electricity-measuring instruments	6	6	94.3	1.6930	100
4911	Electric services	1	1	909.8	.8318	100
7011	Hotels, motels, & tourist courts	42	10	130.4	.4197	65
8062	General medical & surgical hospitals	18	17	888.4	.4915	99
Polk	**All mfg.**	**188**	**76**	**4,189.3**	**.1943**	**84**
2033	Canned fruits & vegetables	11	9	517.4	3.4235	98
2037	Frozen fruits & vegetables	13	9	582.1	7.7579	97
2819	Industrial inorganic chemicals n.e.c.	7	6	270.9	1.5901	98
2874	Phosphatic fertilizers	9	9	1,428.1	30.2423	100
7011	Hotels, motels, & tourist courts	19	4	62.9	.2025	67
8062	General medical & surgical hospitals	6	5	208.2	.1152	98
Putnam	**All mfg.**	**17**	**7**	**540.8**	**.0251**	**89**
2621	Paper mills, except building paper	1	1	220.0	1.0947	100
St. Johns	**All mfg.**	**16**	**6**	**206.4**	**.0096**	**77**
St. Lucie	**All mfg.**	**24**	**8**	**283.4**	**.0131**	**74**
8062	General medical & surgical hospitals	2	2	67.3	.0372	100
Santa Rosa	**All mfg.**	**6**	**4**	**219.6**	**.0102**	**94**
Sarasota	**All mfg.**	**85**	**19**	**712.7**	**.0331**	**73**
3662	Radio & TV communication equipment	5	3	268.4	.7952	97
8062	General medical & surgical hospitals	3	3	128.2	.0709	100
Seminole	**All mfg.**	**67**	**17**	**617.2**	**.0286**	**59**
3661	Telephone & telegraph apparatus	2	2	133.6	.7020	100
3679	Electronic components n.e.c.	7	4	59.5	.3042	91
Sumter	**All mfg.**	**6**	**3**	**95.5**	**.0044**	**67**
Suwannee	**All mfg.**	**5**	**2**	**85.6**	**.0040**	**78**
Taylor	**All mfg.**	**15**	**4**	**455.6**	**.0211**	**91**
2611	Pulp mills	1	1	367.8	7.8444	100
Union	**All mfg.**	**2**	**2**	**16.6**	**.0008**	**100**
Volusia	**All mfg.**	**59**	**25**	**868.8**	**.0403**	**85**
2711	Newspapers	4	1	59.5	.2692	89
3662	Radio & TV communication equipment	1	1	132.0	.3911	100
3679	Electronic components n.e.c.	2	2	70.1	.3584	100
7011	Hotels, motels, & tourist courts	60	7	153.9	.4954	48
8062	General medical & surgical hospitals	8	8	153.1	.0847	100
Wakulla	**All mfg.**	**4**	**1**	**40.0**	**.0019**	**47**
Walton	**All mfg.**	**8**	**2**	**90.2**	**.0042**	**60**
Washington	**All mfg.**	**4**		**11.1**	**.0005**	**0**
STATE TOTAL	**All mfg.**	**3,752**	**1,064**	**48,290.6**	**2.2396**	**76**

1986 S&MM Est.

GEORGIA

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Appling	**All mfg.**	**15**	**6**	**101.9**	**.0047**	**54**
4912	*Nuclear power*	*1*	*1*	*759.9*	*2.7020*	*100*
Atkinson	**All mfg.**	**6**	**2**	**48.6**	**.0023**	**49**
Bacon	**All mfg.**	**6**	**4**	**67.6**	**.0031**	**80**
Baker	**All mfg.**	**1**	**1**	**6.6**	**.0003**	**100**
Baldwin	**All mfg.**	**15**	**10**	**327.2**	**.0152**	**95**
8062	*General medical & surgical hospitals*	*2*	*2*	*182.9*	*.1012*	*100*
Banks	**All mfg.**	**6**	**2**	**116.3**	**.0054**	**94**
2016	Poultry-dressing plants	1	1	97.5	1.4398	100
Barrow	**All mfg.**	**25**	**14**	**261.2**	**.0121**	**88**
Bartow	**All mfg.**	**44**	**20**	**920.5**	**.0427**	**78**
2272	Tufted carpets & rugs	10	8	360.1	7.0423	96
Ben Hill	**All mfg.**	**19**	**10**	**237.7**	**.0110**	**77**
Berrien	**All mfg.**	**5**	**2**	**78.5**	**.0036**	**85**
2211	Cotton-weaving mills	1	1	35.9	.7358	100
Bibb	**All mfg.**	**97**	**37**	**1,477.3**	**.0685**	**74**
2111	Cigarettes	1	1	359.8	2.7621	100
3964	Needles, pins, & fasteners	2	2	81.2	7.4625	100
8062	*General medical & surgical hospitals*	*5*	*4*	*186.8*	*.1033*	*98*
Bleckley	**All mfg.**	**4**	**2**	**125.5**	**.0058**	**95**
Brantley	**All mfg.**	**1**	**1**	**4.4**	**.0002**	**100**
Brooks	**All mfg.**	**5**	**4**	**33.9**	**.0016**	**94**
Bryan	**All mfg.**	**5**	**3**	**42.7**	**.0020**	**86**
Bulloch	**All mfg.**	**22**	**7**	**221.3**	**.0103**	**67**
Burke	**All mfg.**	**9**	**5**	**90.8**	**.0042**	**77**
Butts	**All mfg.**	**9**	**4**	**94.0**	**.0044**	**37**
Calhoun	**All mfg.**	**6**	**3**	**40.1**	**.0019**	**54**
Camden	**All mfg.**	**6**	**3**	**154.9**	**.0072**	**78**
Candler	**All mfg.**	**3**	**3**	**30.1**	**.0014**	**100**
Carroll	**All mfg.**	**42**	**22**	**946.7**	**.0439**	**93**
2311	Men's & boys' suits & coats	4	4	105.7	2.8626	100
3357	Nonferrous-wire drawing & insulating	1	1	142.7	2.0287	100
3652	Phonograph records & pre-recorded tape	1	1	306.4	9.7307	100
Catoosa	**All mfg.**	**7**	**2**	**186.4**	**.0086**	**88**
2272	Tufted carpets & rugs	3	1	166.3	3.2522	93
Charlton	**All mfg.**	**3**	**1**	**11.9**	**.0006**	**42**
Chatham	**All mfg.**	**95**	**31**	**2,162.5**	**.1003**	**81**
2062	Cane-sugar refining	2	2	498.1	16.6884	100
2631	Paperboard mills	2	2	197.0	2.4296	100
3715	Truck trailers	1	1	12.0	.5946	100
6025	*National banks, federal reserve system*	*4*	*3*	*416.4*	*.3017*	*97*
7011	*Hotels, motels, & tourist courts*	*18*	*3*	*39.3*	*.1265*	*47*
8062	*General medical & surgical hospitals*	*4*	*3*	*176.3*	*.0975*	*95*
Chattooga	**All mfg.**	**12**	**6**	**380.6**	**.0177**	**95**
2211	Cotton-weaving mills	1	1	126.1	2.5844	100
2272	Tufted carpets & rugs	2	2	176.1	3.4439	100
Cherokee	**All mfg.**	**24**	**9**	**179.2**	**.0083**	**73**
Clarke	**All mfg.**	**66**	**26**	**869.5**	**.0403**	**80**
2017	Poultry & egg processing	2	2	168.5	4.2176	100
3612	Transformers	1	1	71.3	2.5244	100
8221	*Colleges & universities n.e.c.*	*1*	*1*	*198.6*	*.7441*	*100*
Clay	**All mfg.**	**3**	**1**	**12.4**	**.0006**	**59**
Clayton	**All mfg.**	**60**	**17**	**717.1**	**.0333**	**61**
Clinch	**All mfg.**	**4**	**1**	**142.5**	**.0066**	**92**
Cobb	**All mfg.**	**97**	**26**	**968.0**	**.0449**	**62**
8062	*General medical & surgical hospitals*	*3*	*2*	*60.8*	*.0336*	*96*
Coffee	**All mfg.**	**25**	**12**	**457.4**	**.0212**	**81**
2016	Poultry-dressing plants	2	2	95.9	1.4161	100
Colquitt	**All mfg.**	**31**	**16**	**385.8**	**.0179**	**83**
2328	Men's & boys' work clothing	2	2	49.5	1.3911	100
Columbia	**All mfg.**	**13**	**6**	**269.4**	**.0125**	**82**
Cook	**All mfg.**	**7**	**4**	**83.7**	**.0039**	**85**
Coweta	**All mfg.**	**24**	**15**	**417.7**	**.0194**	**92**
3354	Aluminum extruded products	1	1	137.6	5.5265	100
Crawford	**All mfg.**	**1**		**2.9**	**.0001**	**0**
Crisp	**All mfg.**	**23**	**7**	**187.4**	**.0087**	**60**
Dade	**All mfg.**	**6**	**1**	**53.7**	**.0025**	**47**
Dawson	**All mfg.**	**4**	**1**	**9.4**	**.0004**	**53**
Decatur	**All mfg.**	**23**	**7**	**394.4**	**.0183**	**72**
2221	Synthetics- & silk-weaving mills	1	1	142.6	2.4260	100
De Kalb	**All mfg.**	**332**	**98**	**4,788.2**	**.2221**	**77**
2035	Pickles, sauces, & salad dressings	2	2	240.3	4.3368	100
2099	Food preparations n.e.c.	6	5	230.1	1.9657	98
2711	Newspapers	5	1	98.1	.4438	90
2751	Letterpress commercial printing	6	2	76.4	.8165	93
2752	Lithographic commercial printing	12	4	134.8	1.0430	72
2842	Polishes & sanitation goods	11	6	411.1	5.5787	89
3079	Miscellaneous plastics products	17	5	108.4	.4550	79
3613	Switchgear & switchboard apparatus	9	4	94.7	1.8960	69
3661	Telephone & telegraph apparatus	3	3	201.6	1.0593	100
3951	Pens & mechanical pencils	1	1	67.8	6.5825	100
4911	*Electric services*	*2*	*1*	*3,866.6*	*3.5352*	*99*
5081	*Commercial-equipment wholesalers*	*9*	*2*	*55.2*	*.9073*	*86*
6025	*National banks, federal reserve system*	*5*	*2*	*481.1*	*.3486*	*96*
7011	*Hotels, motels, & tourist courts*	*43*	*19*	*235.3*	*.7574*	*80*
8062	*General medical & surgical hospitals*	*8*	*7*	*251.9*	*.1394*	*99*
8221	*Colleges & universities n.e.c.*	*9*	*4*	*87.1*	*.3263*	*87*
Dodge	**All mfg.**	**6**	**4**	**78.6**	**.0036**	**82**
Dooly	**All mfg.**	**5**	**4**	**65.9**	**.0031**	**96**
Dougherty	**All mfg.**	**53**	**17**	**2,544.2**	**.1180**	**91**
2082	Malt beverages	2	2	561.7	4.9842	100
2621	Paper mills, except building paper	1	1	386.9	1.9252	100
2647	Sanitary paper products	1	1	730.9	7.8494	100
3011	Tires & inner tubes	1	1	137.0	1.8828	100
8062	*General medical & surgical hospitals*	*2*	*2*	*83.7*	*.0463*	*100*
Douglas	**All mfg.**	**12**	**4**	**204.7**	**.0095**	**88**
Early	**All mfg.**	**8**	**4**	**330.8**	**.0153**	**91**
2631	Paperboard mills	1	1	264.9	3.2670	100
Effingham	**All mfg.**	**5**	**2**	**24.3**	**.0011**	**63**
Elbert	**All mfg.**	**33**	**9**	**221.0**	**.0102**	**64**
Emanuel	**All mfg.**	**23**	**9**	**143.8**	**.0067**	**54**
Evans	**All mfg.**	**9**	**2**	**68.6**	**.0032**	**58**
Fannin	**All mfg.**	**3**	**1**	**47.2**	**.0022**	**85**
Fayette	**All mfg.**	**18**	**9**	**318.9**	**.0148**	**89**
Floyd	**All mfg.**	**67**	**24**	**836.6**	**.0388**	**78**
2221	Synthetics- & silk-weaving mills	1	1	65.6	1.1160	100
2281	Yarn-spinning mills, except wool	1	1	116.6	2.2900	100
8062	*General medical & surgical hospitals*	*3*	*3*	*107.4*	*.0594*	*100*
Forsyth	**All mfg.**	**11**	**2**	**92.9**	**.0043**	**65**
Franklin	**All mfg.**	**18**	**10**	**182.4**	**.0085**	**83**
Fulton	**All mfg.**	**334**	**101**	**7,298.5**	**.3385**	**85**
2016	Poultry-dressing plants	2	2	74.6	1.1016	100
2051	Bread, cake, & related products	7	4	247.6	1.5545	95
2052	Cookies & crackers	3	2	213.3	4.6324	98
2321	Men's & boys' shirts & nightwear	1	1	47.3	1.3192	100
2621	Paper mills, except building paper	3	3	293.8	1.4619	100
2711	Newspapers	1	1	339.9	1.5377	100
2751	Letterpress commercial printing	19	3	88.9	.9501	50
3079	Miscellaneous plastics products	19	3	101.5	.4260	59
3644	Non-current-carrying wiring devices	1	1	324.0	10.5737	100
3711	Motor vehicles & passenger-car bodies	2	2	2,337.4	2.4363	100
4911	*Electric services*	*4*	*2*	*1,020.4*	*.9329*	*91*
5081	*Commercial-equipment wholesalers*	*11*	*1*	*108.8*	*1.7882*	*81*
5084	*Industrial-machinery distributors*	*19*	*2*	*144.3*	*.8476*	*33*
7011	*Hotels, motels, & tourist courts*	*51*	*26*	*355.9*	*1.1456*	*88*
7372	*Computer programming & software*	*11*	*4*	*235.4*	*2.0597*	*63*
7374	*Data-processing services*	*15*	*7*	*192.8*	*2.3989*	*86*
8062	*General medical & surgical hospitals*	*18*	*13*	*904.2*	*.5003*	*97*
8221	*Colleges & universities n.e.c.*	*3*	*1*	*59.3*	*.2222*	*90*
Gilmer	**All mfg.**	**10**	**7**	**117.4**	**.0054**	**86**
Glascock	**All mfg.**	**3**	**1**	**17.4**	**.0008**	**22**
Glynn	**All mfg.**	**30**	**11**	**395.0**	**.0183**	**78**
7011	*Hotels, motels, & tourist courts*	*17*	*6*	*48.4*	*.1558*	*65*
Gordon	**All mfg.**	**46**	**20**	**760.7**	**.0353**	**83**
2272	Tufted carpets & rugs	17	10	510.8	9.9894	93
Grady	**All mfg.**	**16**	**7**	**244.5**	**.0113**	**83**
Greene	**All mfg.**	**16**	**4**	**73.1**	**.0034**	**58**
Gwinnett	**All mfg.**	**128**	**41**	**1,219.4**	**.0566**	**70**
3357	Nonferrous-wire drawing & insulating	1	1	287.0	4.0801	100
Habersham	**All mfg.**	**24**	**12**	**404.8**	**.0188**	**90**
2221	Synthetics- & silk-weaving mills	2	1	121.1	2.0602	98
Hall	**All mfg.**	**76**	**37**	**1,406.3**	**.0652**	**86**
2016	Poultry-dressing plants	8	5	125.1	1.8473	90
2211	Cotton-weaving mills	3	3	166.8	3.4185	100
Hancock	**All mfg.**	**4**	**1**	**13.9**	**.0006**	**29**
Haralson	**All mfg.**	**17**	**10**	**250.0**	**.0120**	**86**
2311	Men's & boys' suits & coats	3	3	91.3	2.4726	100
Harris	**All mfg.**	**4**	**2**	**43.8**	**.0020**	**84**
7011	*Hotels, motels, & tourist courts*	*1*	*1*	*33.2*	*.1069*	*100*
Hart	**All mfg.**	**13**	**7**	**170.3**	**.0079**	**88**
2328	Men's & boys' work clothing	1	1	44.9	1.2618	100
Heard	**All mfg.**	**6**	**2**	**53.2**	**.0025**	**83**
Henry	**All mfg.**	**17**	**5**	**147.3**	**.0068**	**81**
Houston	**All mfg.**	**9**	**6**	**209.0**	**.0097**	**96**
Irwin	**All mfg.**	**5**	**2**	**106.1**	**.0049**	**83**
Jackson	**All mfg.**	**15**	**9**	**145.2**	**.0067**	**81**
Jasper	**All mfg.**	**8**	**3**	**50.6**	**.0023**	**67**

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Jeff Davis	**All mfg.**	**9**	**6**	**150.5**	**.0070**	**94**
2299	Textile goods n.e.c.	1	1	60.4	9.1710	100
Jefferson	**All mfg.**	**20**	**11**	**234.2**	**.0109**	**79**
Jenkins	**All mfg.**	**6**	**4**	**50.6**	**.0023**	**83**
8062	*General medical & surgical hospitals*	*1*	*1*	*68.9*	*.0381*	*100*
Johnson	**All mfg.**	**9**	**3**	**60.8**	**.0028**	**52**
Jones	**All mfg.**	**2**	**1**	**35.9**	**.0017**	**86**
Lamar	**All mfg.**	**7**	**4**	**143.0**	**.0066**	**94**
2254	Knit-underwear mills	1	1	47.7	4.1605	100
Lanier	**All mfg.**	**1**	**1**	**3.3**	**.0002**	**100**
Laurens	**All mfg.**	**26**	**9**	**253.4**	**.0118**	**73**
Lee	**All mfg.**	**1**	**1**	**9.5**	**.0004**	**100**
Liberty	**All mfg.**	**6**	**2**	**46.5**	**.0022**	**46**
Lincoln	**All mfg.**	**4**	**2**	**20.9**	**.0010**	**69**
Lowndes	**All mfg.**	**36**	**11**	**723.7**	**.0336**	**80**
Lumpkin	**All mfg.**	**3**	**3**	**42.8**	**.0020**	**100**
McDuffie	**All mfg.**	**16**	**5**	**119.0**	**.0055**	**60**
McIntosh	**All mfg.**	**5**	**1**	**35.3**	**.0016**	**25**
Macon	**All mfg.**	**12**	**8**	**409.3**	**.0190**	**96**
Madison	**All mfg.**	**7**	**4**	**28.6**	**.0013**	**80**
Marion	**All mfg.**	**2**	**1**	**24.6**	**.0011**	**95**
Meriwether	**All mfg.**	**15**	**4**	**109.5**	**.0051**	**54**
Miller	**All mfg.**	**3**		**15.0**	**.0007**	**0**
Mitchell	**All mfg.**	**22**	**11**	**235.4**	**.0109**	**74**
Monroe	**All mfg.**	**12**	**9**	**117.1**	**.0054**	**90**
Montgomery	**All mfg.**	**3**	**2**	**24.2**	**.0011**	**90**
Morgan	**All mfg.**	**11**	**4**	**99.0**	**.0046**	**75**
Murray	**All mfg.**	**27**	**10**	**417.3**	**.0194**	**79**
2272	Tufted carpets & rugs	17	5	314.7	6.1544	79
Muscogee	**All mfg.**	**87**	**37**	**1,560.4**	**.0724**	**86**
2065	Confectionery products	1	1	130.7	1.6630	100
2211	Cotton-weaving mills	4	4	236.3	4.8429	100
2221	Synthetics- & silk-weaving mills	1	1	89.3	1.5192	100
2281	Yarn-spinning mills, except wool	3	3	63.7	1.2510	100
8062	*General medical & surgical hospitals*	*5*	*4*	*168.7*	*.0933*	*98*
Newton	**All mfg.**	**15**	**6**	**275.2**	**.0128**	**78**
Oconee	**All mfg.**	**10**	**1**	**49.0**	**.0023**	**46**
Oglethorpe	**All mfg.**	**3**	**1**	**8.2**	**.0004**	**56**
Paulding	**All mfg.**	**7**	**3**	**39.1**	**.0018**	**69**
Peach	**All mfg.**	**15**	**8**	**282.6**	**.0131**	**76**
Pickens	**All mfg.**	**6**	**4**	**45.2**	**.0021**	**77**
Pierce	**All mfg.**	**5**	**1**	**22.8**	**.0011**	**46**
Pike	**All mfg.**	**1**	**1**	**9.9**	**.0005**	**100**
Polk	**All mfg.**	**19**	**11**	**432.3**	**.0200**	**92**
Pulaski	**All mfg.**	**4**	**4**	**29.0**	**.0013**	**100**
Putnam	**All mfg.**	**6**	**3**	**54.5**	**.0025**	**70**
Rabun	**All mfg.**	**7**	**4**	**179.7**	**.0083**	**94**
Randolph	**All mfg.**	**8**	**2**	**51.5**	**.0024**	**38**
Richmond	**All mfg.**	**97**	**34**	**1,481.3**	**.0687**	**73**
1611	*Highway & street construction*	*3*	*2*	*126.5*	*.7314*	*98*
2211	Cotton-weaving mills	2	2	54.4	1.1149	100
7011	*Hotels, motels, & tourist courts*	*15*	*2*	*36.0*	*.1159*	*39*
8062	*General medical & surgical hospitals*	*6*	*6*	*381.4*	*.2110*	*100*
Rockdale	**All mfg.**	**33**	**10**	**666.2**	**.0309**	**86**
3646	Commercial electric lighting fixtures	1	1	279.8	15.3374	100
Schley	**All mfg.**	**7**	**1**	**38.4**	**.0018**	**33**
Screven	**All mfg.**	**7**	**4**	**103.7**	**.0048**	**91**
Seminole	**All mfg.**	**3**		**11.2**	**.0005**	**0**
Spalding	**All mfg.**	**29**	**15**	**359.5**	**.0167**	**78**
Stephens	**All mfg.**	**31**	**12**	**471.5**	**.0219**	**79**
2284	Thread mills	1	1	56.5	12.0059	100
Stewart	**All mfg.**	**7**	**2**	**37.7**	**.0017**	**55**
Sumter	**All mfg.**	**34**	**7**	**310.0**	**.0144**	**66**
Tattnall	**All mfg.**	**9**	**3**	**51.1**	**.0024**	**71**
Taylor	**All mfg.**	**3**	**2**	**24.0**	**.0011**	**91**
Telfair	**All mfg.**	**8**	**4**	**157.3**	**.0073**	**90**
Terrell	**All mfg.**	**6**	**5**	**150.6**	**.0070**	**96**
Thomas	**All mfg.**	**38**	**16**	**628.9**	**.0292**	**77**
Tift	**All mfg.**	**23**	**11**	**290.4**	**.0135**	**80**
2341	Women's & children's underwear	1	1	45.8	1.7389	100
Toombs	**All mfg.**	**15**	**4**	**121.9**	**.0057**	**47**
Towns	**All mfg.**	**3**	**1**	**7.6**	**.0004**	**54**
Treutlen	**All mfg.**	**2**	**1**	**14.6**	**.0007**	**60**
Troup	**All mfg.**	**49**	**25**	**720.6**	**.0334**	**82**
Turner	**All mfg.**	**4**	**3**	**41.6**	**.0019**	**97**
Twiggs	**All mfg.**	**7**	**6**	**216.7**	**.0100**	**98**
2231	Wool-fabric weaving & finishing mills	1	1	66.8	4.1828	100
Union	**All mfg.**	**1**	**1**	**9.9**	**.0005**	**100**
Upson	**All mfg.**	**13**	**9**	**521.3**	**.0242**	**96**
2296	Tire cord & fabric	2	2	394.5	23.5157	100
Walker	**All mfg.**	**33**	**18**	**493.6**	**.0229**	**90**
3631	Household cooking equipment	1	1	136.5	4.6889	100
Walton	**All mfg.**	**17**	**8**	**141.9**	**.0066**	**73**
Ware	**All mfg.**	**29**	**8**	**317.9**	**.0147**	**64**
Warren	**All mfg.**	**6**	**4**	**53.5**	**.0025**	**83**
Washington	**All mfg.**	**17**	**8**	**189.5**	**.0068**	**63**
Wayne	**All mfg.**	**16**	**5**	**189.9**	**.0088**	**82**
Webster	**All mfg.**	**1**		**1.2**	**.0001**	**0**
White	**All mfg.**	**5**	**3**	**43.1**	**.0020**	**76**
Whitfield	**All mfg.**	**111**	**53**	**2,375.4**	**.1102**	**89**
2272	Tufted carpets & rugs	42	30	1,871.2	36.5940	96
3069	Fabricated rubber products n.e.c.	4	2	49.1	.9125	88
Wilcox	**All mfg.**	**2**		**15.0**	**.0007**	**0**
Wilkes	**All mfg.**	**12**	**7**	**113.3**	**.0053**	**84**
Wilkinson	**All mfg.**	**6**	**3**	**753.7**	**.0350**	**98**
3295	Ground or treated minerals & earths	3	2	743.4	14.7345	99
Worth	**All mfg.**	**6**	**3**	**33.2**	**.0015**	**72**
STATE TOTAL	**All mfg.**	**3,411**	**1,340**	**54,008.3**	**2.5047**	**81**

HAWAII

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Hawaii	**All mfg.**	**24**	**11**	**606.0**	**.0281**	**87**
2061	Raw cane sugar	5	5	373.5	13.2531	100
Honolulu	**All mfg.**	**204**	**50**	**3,175.5**	**.1473**	**79**
2033	Canned fruits & vegetables	4	2	606.9	4.0157	97
2061	Raw cane sugar	2	2	252.1	8.9454	100
2339	Women's & misses' outerwear n.e.c.	20	4	47.6	1.5527	61
4911	*Electric services*	*1*	*1*	*581.3*	*.5315*	*100*
7011	*Hotels, motels, & tourist courts*	*47*	*17*	*328.0*	*1.0558*	*83*
8062	*General medical & surgical hospitals*	*12*	*11*	*468.8*	*.2594*	*99*
Kauai	**All mfg.**	**11**	**4**	**512.4**	**.0238**	**92**
2061	Raw cane sugar	4	4	469.4	16.6560	100
Maui	**All mfg.**	**20**	**4**	**501.4**	**.0233**	**84**
2061	Raw cane sugar	3	3	416.7	14.7860	100
7011	*Hotels, motels, & tourist courts*	*11*	*5*	*45.2*	*.1455*	*83*
STATE TOTAL	**All mfg.**	**259**	**69**	**4,795.3**	**.2224**	**82**

IDAHO

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Ada	**All mfg.**	**51**	**13**	**545.3**	**.0253**	**65**
1623	*Pipe- & utility-line construction*	*2*	*1*	*83.9*	*1.4124*	*98*
1629	*Heavy construction n.e.c.*	*2*	*1*	*1,216.9*	*4.6109*	*99*
4911	*Electric services*	*1*	*1*	*341.5*	*.3122*	*100*
6025	*National banks, federal reserve system*	*2*	*2*	*424.1*	*.3073*	*100*
7011	*Hotels, motels, & tourist courts*	*12*	*4*	*35.8*	*.1152*	*72*
8062	*General medical & surgical hospitals*	*3*	*3*	*73.0*	*.0404*	*100*
Adams	**All mfg.**	**2**	**1**	**15.6**	**.0007**	**60**
Bannock	**All mfg.**	**15**	**9**	**955.9**	**.0443**	**95**
3532	Mining machinery	1	1	127.8	4.6479	100
8221	*Colleges & universities n.e.c.*	*1*	*1*	*48.5*	*.1817*	*100*
Bear Lake	**All mfg.**	**1**		**5.5**	**.0003**	**0**
Benewah	**All mfg.**	**6**	**3**	**46.3**	**.0021**	**80**
Bingham	**All mfg.**	**8**	**6**	**371.0**	**.0172**	**97**
2034	Dehydrated fruits, vegetables, & soups	4	4	279.0	11.1810	100
Boise	**All mfg.**	**1**	**1**	**13.1**	**.0006**	**100**
Bonner	**All mfg.**	**11**	**5**	**93.7**	**.0043**	**78**
Bonneville	**All mfg.**	**25**	**7**	**286.4**	**.0133**	**62**
Boundary	**All mfg.**	**1**		**7.2**	**.0003**	**0**
Canyon	**All mfg.**	**36**	**14**	**824.6**	**.0382**	**69**
2034	Dehydrated fruits, vegetables, & soups	1	1	203.2	8.1433	100
8062	*General medical & surgical hospitals*	*3*	*3*	*86.0*	*.0476*	*100*
Caribou	**All mfg.**	**3**	**2**	**213.5**	**.0099**	**93**
Cassia	**All mfg.**	**9**	**3**	**312.6**	**.0145**	**92**
2037	Frozen fruits & vegetables	1	1	211.9	2.8241	100
Clearwater	**All mfg.**	**6**	**1**	**66.5**	**.0031**	**53**
Elmore	**All mfg.**	**1**		**3.0**	**.0001**	**0**
Franklin	**All mfg.**	**2**		**15.6**	**.0007**	**0**
Fremont	**All mfg.**	**1**	**1**	**28.2**	**.0013**	**100**
Gem	**All mfg.**	**3**	**2**	**51.0**	**.0024**	**94**
Idaho	**All mfg.**	**3**	**2**	**28.1**	**.0013**	**76**
Jefferson	**All mfg.**	**3**	**2**	**125.2**	**.0058**	**81**
Jerome	**All mfg.**	**5**	**3**	**144.7**	**.0067**	**92**
Kootenai	**All mfg.**	**17**	**7**	**181.7**	**.0084**	**72**
Latah	**All mfg.**	**5**	**2**	**32.7**	**.0015**	**67**
Lemhi	**All mfg.**	**1**		**6.4**	**.0003**	**0**
Lewis	**All mfg.**	**1**		**2.5**	**.0001**	**0**
Lincoln	**All mfg.**	**1**		**17.5**	**.0008**	**0**
Madison	**All mfg.**	**6**	**4**	**60.0**	**.0028**	**88**
Minidoka	**All mfg.**	**8**	**4**	**265.4**	**.0123**	**93**
2037	Frozen fruits & vegetables	1	1	155.6	2.0738	100
Nez Perce	**All mfg.**	**12**	**7**	**323.1**	**.0150**	**92**
Payette	**All mfg.**	**2**	**1**	**18.1**	**.0008**	**88**
Power	**All mfg.**	**2**	**2**	**184.6**	**.0086**	**100**
Shoshone	**All mfg.**	**4**		**10.6**	**.0005**	**0**

1986 S&MM Est.

County SIC	Industry	Establishments		Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
		Total	Large			
IDAHO (cont.)						
Twin Falls	**All mfg.**	**20**	**6**	**368.8**	**.0171**	**56**
Valley	**All mfg.**	**1**		**7.2**	**.0003**	**0**
Washington	**All mfg.**	**1**	**1**	**18.7**	**.0009**	**100**
STATE TOTAL	**All mfg.**	**274**	**109**	**5,650.3**	**.2620**	**80**
ILLINOIS						
Adams	**All mfg.**	**45**	**16**	**1,011.1**	**.0469**	**86**
2048	Prepared feeds n.e.c.	3	2	288.2	2.5595	98
8062	*General medical & surgical hospitals*	*2*	*2*	*80.3*	*.0444*	*100*
Alexander	**All mfg.**	**5**	**2**	**172.6**	**.0080**	**71**
Bond	**All mfg.**	**5**	**2**	**32.3**	**.0015**	**57**
Boone	**All mfg.**	**17**	**7**	**2,327.5**	**.1079**	**99**
3711	Motor vehicles & passenger-car bodies	1	1	2,166.4	2.2581	100
Brown	**All mfg.**	**1**		**3.6**	**.0002**	**0**
Bureau	**All mfg.**	**27**	**8**	**309.2**	**.0143**	**65**
Carroll	**All mfg.**	**10**	**4**	**101.2**	**.0047**	**70**
Cass	**All mfg.**	**8**	**2**	**156.5**	**.0073**	**83**
Champaign	**All mfg.**	**60**	**25**	**2,041.3**	**.0947**	**87**
2035	Pickles, sauces, & salad dressings	1	1	354.7	6.4015	100
2079	Shortening & cooking oils n.e.c.	2	2	891.0	17.5653	100
8062	*General medical & surgical hospitals*	*6*	*4*	*131.5*	*.0728*	*94*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*79.9*	*.2993*	*100*
Christian	**All mfg.**	**15**	**7**	**379.3**	**.0176**	**92**
Clark	**All mfg.**	**10**	**4**	**145.7**	**.0068**	**82**
Clay	**All mfg.**	**10**	**3**	**82.8**	**.0038**	**42**
Clinton	**All mfg.**	**6**	**2**	**77.7**	**.0036**	**77**
Coles	**All mfg.**	**38**	**20**	**667.5**	**.0310**	**81**
Cook	**All mfg.**	**4,881**	**1,474**	**63,703.5**	**2.9544**	**77**
1211	*Bituminous-coal & lignite mining*	*3*	*2*	*383.4*	*2.3596*	*99*
1611	*Highway & street construction*	*29*	*13*	*375.6*	*2.1717*	*76*
1622	*Bridge & tunnel construction*	*6*	*4*	*262.3*	*3.8832*	*91*
1623	*Pipe- & utility-line construction*	*15*	*6*	*129.4*	*2.1784*	*72*
1629	*Heavy construction n.e.c.*	*22*	*11*	*717.1*	*2.7171*	*89*
2011	Meat-packing plants	41	17	1,396.3	3.1267	78
2013	Sausages & other prepared meats	39	21	768.6	5.4967	85
2033	Canned fruits & vegetables	10	5	201.1	1.3306	85
2035	Pickles, sauces, & salad dressings	13	5	246.3	4.4451	60
2051	Bread, cake, & related products	41	22	634.1	3.9812	87
2052	Cookies & crackers	9	7	667.1	14.4880	98
2065	Confectionery products	34	20	1,208.0	15.3703	94
2067	Chewing gum	1	1	188.6	24.4967	100
2086	Bottled & canned soft drinks	8	6	259.5	1.3667	97
2087	Flavoring extracts & syrups n.e.c.	14	3	519.2	13.4198	76
2099	Food preparations n.e.c.	40	16	599.0	5.1173	72
2335	Women's & misses' dresses	11	4	73.4	2.0982	82
2392	House furnishings n.e.c.	16	6	92.3	4.7774	67
2431	Millwork	25	5	160.1	2.6160	74
2499	Wood products n.e.c.	26	7	157.8	3.5112	66
2514	Metal household furniture	14	8	174.5	7.5998	86
2531	Public-building & related furniture	12	5	77.6	4.8070	80
2541	Wood partitions & fixtures	15	3	86.3	4.0912	66
2542	Metal partitions & fixtures	13	5	127.5	5.9250	77
2641	Paper coating & glazing	21	9	303.7	5.2321	76
2642	Envelopes	13	8	103.0	5.1223	84
2643	Bags, except textile bags	14	3	150.3	2.8979	54
2649	Converted paper products n.e.c.	25	7	177.2	3.7129	61
2651	Folding paperboard boxes	29	8	257.7	5.8943	64
2653	Corrugated & solid fiber boxes	54	24	500.5	4.7627	70
2654	Sanitary food containers	7	5	266.0	10.4906	97
2711	Newspapers	39	14	605.7	2.7402	89
2721	Periodicals	77	17	1,241.7	10.1559	65
2731	Book publishing	19	13	515.1	5.2477	92
2741	Miscellaneous publishing	27	12	264.5	8.3231	88
2751	Letterpress commercial printing	143	33	878.7	9.3913	75
2752	Lithographic commercial printing	133	37	1,091.6	8.4459	68
2753	Engraving & plate printing	14	3	114.0	11.1721	66
2761	Manifold business forms	14	7	559.9	7.4959	94
2771	Greeting-card publishing	13	3	127.6	5.3249	69
2782	Blankbooks & looseleaf binders	13	5	84.7	4.4706	67
2789	Bookbinding & related work	24	7	65.6	8.6486	60
2791	Typesetting	22	2	56.0	5.4033	23
2793	Photoengraving	13	4	87.2	13.2422	65
2819	Industrial inorganic chemicals n.e.c.	15	7	365.5	2.1454	84
2821	Plastics materials & synthetic resins	12	3	309.0	1.4504	62
2834	Pharmaceutical preparations	17	1	383.8	1.7984	56
2841	Soap & other detergents	17	4	369.1	4.2690	64
2842	Polishes & sanitation goods	40	8	461.1	6.2572	54
2844	Toilet preparations	25	10	1,013.4	8.2272	90
2851	Paints & allied products	55	15	899.1	8.0340	72
2869	Industrial organic chemicals n.e.c.	18	6	477.2	1.4962	70
2891	Adhesives & sealants	21	2	279.8	5.7955	47
2893	Printing ink	21	8	426.3	20.5942	71
2899	Chemical preparations n.e.c.	38	5	438.0	4.1148	32
2911	Petroleum refining	8	3	2,239.9	1.5976	87
3069	Fabricated rubber products n.e.c.	33	10	129.0	2.3973	65
3079	Miscellaneous plastics products	181	69	875.0	3.6728	70
3143	Men's nonathletic footwear	1	1	116.4	4.5064	100
3229	Pressed & blown glass n.e.c.	7	2	107.1	2.6342	82
3231	Products of purchased glass	23	5	128.5	5.4144	50
3272	Concrete products n.e.c.	19	5	95.6	2.2708	66
3291	Abrasive products	13	3	226.5	7.4713	62
3293	Gaskets, packing, & sealing devices	17	5	351.9	17.1041	87
3312	Blast furnaces & steel mills	19	10	1,045.7	3.5337	93
3315	Steel wire & related products	10	4	65.0	2.6972	61
3316	Cold-rolled steel sheet, strip, & bars	31	11	634.9	9.7824	62
3317	Steel pipe & tubes	10	6	294.1	4.5052	90
3322	Malleable-iron foundries	2	2	56.8	8.2045	100
3325	Steel foundries n.e.c.	8	3	126.9	2.4529	89
3341	Secondary nonferrous metals	15	6	401.9	5.5988	72
3353	Aluminum sheet, plate, & foil	2	2	312.3	5.7886	100
3354	Aluminum extruded products	4	2	92.1	3.6991	90
3361	Aluminum foundries	25	8	156.9	5.2194	59
3369	Nonferrous foundries n.e.c.	15	4	59.6	3.3547	58
3411	Metal cans	13	11	843.6	7.6849	97
3412	Metal shipping barrels, drums, & pails	13	4	116.0	8.6878	70
3423	Hand & edge tools n.e.c.	21	5	148.1	4.4548	61
3429	Hardware n.e.c.	34	13	483.3	5.3278	72
3432	Plumbing fittings & brass goods	8	5	187.8	9.3619	94
3441	Fabricated structural metal	54	9	575.5	2.7642	41
3442	Metal doors, sash, & trim	35	6	173.6	2.3313	39
3444	Sheet-metal work	50	14	447.4	3.7753	66
3446	Architectural & ornamental metal work	12	4	69.9	4.9156	65
3449	Miscellaneous metal work	17	3	281.0	5.1636	38
3451	Screw-machine products	76	8	207.0	9.3433	28
3452	Bolts, nuts, rivets, & washers	55	18	351.5	9.0977	68
3462	Iron & steel forgings	38	13	525.7	9.8866	79
3465	Automotive stampings	2	2	673.4	7.5527	100
3466	Crowns & closures	7	4	304.0	21.2128	92
3469	Metal stampings n.e.c.	84	20	511.2	4.3772	62
3471	Plating & polishing	82	11	167.7	6.8817	30
3479	Metal coating & allied services n.e.c.	34	8	159.9	3.9731	49
3493	Steel springs, except wire	12	4	157.0	12.3099	66
3494	Valves & pipe fittings	18	7	281.2	2.4801	74
3495	Wire springs	11	5	238.8	11.9334	86
3496	Miscellaneous fabricated wire products	50	10	269.6	6.0022	46
3499	Fabricated metal products n.e.c.	54	14	522.0	5.9117	58
3523	Farm machinery & equipment	8	3	159.8	1.6054	85
3531	Construction machinery	9	5	307.4	2.5396	93
3537	Industrial trucks & tractors	13	7	134.4	4.8522	89
3541	Metal-cutting machine tools	27	7	133.7	3.0680	59
3542	Metal-forming machine tools	19	6	171.8	11.3933	85
3544	Special dies, tools, jigs, & fixtures	145	15	365.3	6.3509	32
3545	Machine-tool accessories	18	7	94.1	2.8588	75
3546	Power-driven hand tools	6	4	57.2	4.4242	89
3551	Food-products machinery	27	9	180.0	6.7137	73
3555	Printing-trades machinery	32	10	231.6	10.1561	70
3559	Special-industry machinery n.e.c.	35	12	471.1	5.2602	80
3561	Pumps & pumping equipment	25	11	323.1	4.8324	76
3563	Air & gas compressors	5	3	156.2	4.7597	94
3564	Blowers & exhaust & ventilation fans	13	4	82.6	3.6190	77
3566	Speed changers, drives, & gears	12	4	104.1	5.6383	66
3567	Industrial-process furnaces & ovens	13	5	95.1	6.4694	78
3568	Power-transmission equipment n.e.c.	16	5	312.5	7.8133	79
3569	General industrial machinery n.e.c.	31	13	363.5	6.4073	85
3573	Electronic computing equipment	9	6	236.8	.4586	93
3579	Office machines n.e.c.	25	13	1,183.9	10.4047	90
3585	Refrigeration & heating equipment	17	6	221.1	1.4211	82
3589	Service-industry machinery n.e.c.	22	3	167.4	5.4676	55
3599	Machinery, except electrical, n.e.c.	144	10	525.6	4.5924	36
3612	Transformers	19	5	192.2	6.8050	79
3613	Switchgear & switchboard apparatus	23	10	368.9	7.3858	86
3621	Motors & generators	22	10	250.2	3.2114	82
3622	Industrial controls	21	9	204.8	3.9123	74
3632	Household refrigerators & freezers	1	1	164.8	6.9055	100
3643	Current-carrying wiring devices	15	6	89.3	3.2818	79
3645	Residential electric lighting fixtures	17	6	140.9	10.7870	83
3646	Commercial electric lighting fixtures	10	2	101.5	5.5638	62
3648	Lighting equipment n.e.c.	16	4	115.3	6.1281	56
3651	Radio & TV receiving sets	19	11	717.6	9.7946	93

DEFINITIONS: **SIC Industry**: Classification by primary product or service. **Total Establishments**: Those with 20 or more employees. **Large Establishments**: Those with 100 or more employees. **Shipments/Receipts**: Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.**: Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments**: Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.**: Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.**: Not Elsewhere Classified.

1986 **S&MM** Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
3661	Telephone & telegraph apparatus	8	7	2,564.0	13.4723	100
3662	Radio & TV communication equipment	37	16	794.1	2.3528	91
3671	Electron tubes	4	2	177.2	10.4174	98
3677	Electronic coils & transformers	17	6	97.9	7.7208	65
3678	Electronic connectors	6	5	145.7	6.4089	94
3679	Electronic components n.e.c.	54	21	567.5	2.9012	83
3693	X-ray apparatus & tubes	12	10	407.3	7.6855	98
3694	Engine electrical equipment	7	4	134.5	2.5183	93
3699	Electrical equipment & supplies n.e.c.	13	4	132.4	6.2737	64
3711	Motor vehicles & passenger-car bodies	3	3	1,668.9	1.7395	100
3714	Motor-vehicle parts & accessories	51	17	645.2	1.6874	76
3743	Railroad equipment	17	5	468.8	10.0796	88
3811	Engineering & scientific instruments	15	7	119.0	3.0610	84
3822	Environmental controls	10	4	91.3	5.2918	93
3825	Electricity-measuring instruments	13	5	171.0	3.0701	77
3829	Measuring & controlling devices n.e.c.	13	6	94.2	3.5379	73
3841	Surgical & medical instruments	20	9	377.5	7.4597	93
3842	Surgical appliances & supplies	13	4	131.5	1.9735	71
3843	Dental equipment & supplies	15	7	150.6	9.9583	86
3861	Photographic equipment & supplies	38	9	338.1	2.9775	55
3944	Games, toys, & children's vehicles	14	10	515.4	7.2106	95
3949	Sporting & athletic goods n.e.c.	17	5	94.2	2.3186	58
3993	Signs & advertising displays	73	17	217.1	9.1607	58
3999	Manufactures n.e.c.	45	12	608.5	14.7508	85
4011	*Line-haul-operating railroads*	*14*	*8*	*4,036.7*	*16.3168*	*99*
4911	*Electric services*	*4*	*3*	*2,546.6*	*2.3283*	*100*
4924	*Natural-gas distribution*	*8*	*1*	*990.4*	*4.8988*	*87*
5051	*Metals service centers & sales offices*	*95*	*18*	*3,493.3*	*11.4742*	*63*
5063	*Electrical-power-equipment wholesalers*	*63*	*7*	*893.8*	*7.0865*	*64*
5065	*Electronic-parts wholesalers*	*36*		*321.5*	*3.2961*	*0*
5081	*Commercial-equipment wholesalers*	*74*	*17*	*661.2*	*10.8673*	*83*
5084	*Industrial-machinery distributors*	*125*	*13*	*852.6*	*5.0078*	*34*
5085	*Industrial-supply distributors*	*108*	*4*	*642.3*	*3.2391*	*16*
6025	*National banks, federal reserve system*	*88*	*36*	*7,346.0*	*5.3231*	*94*
7011	*Hotels, motels, & tourist courts*	*110*	*58*	*795.7*	*2.5612*	*91*
7372	*Computer programming & software*	*29*	*6*	*164.6*	*1.4402*	*73*
7374	*Data-processing services*	*48*	*10*	*261.3*	*3.2512*	*65*
8062	*General medical & surgical hospitals*	*75*	*73*	*5,136.1*	*2.8416*	*100*
8221	*Colleges & universities n.e.c.*	*26*	*19*	*804.0*	*3.0122*	*98*
Crawford	**All mfg.**	**14**	**6**	**1,115.6**	**.0517**	**94**
Cumberland	**All mfg.**	**4**	**2**	**42.2**	**.0020**	**86**
De Kalb	**All mfg.**	**49**	**16**	**563.8**	**.0261**	**75**
De Witt	**All mfg.**	**9**	**3**	**95.9**	**.0044**	**77**
Douglas	**All mfg.**	**13**	**3**	**170.4**	**.0079**	**72**
Du Page	**All mfg.**	**599**	**154**	**5,994.7**	**.2780**	**67**
1622	*Bridge & tunnel construction*	*1*	*1*	*228.8*	*3.3872*	*100*
1629	*Heavy construction n.e.c.*	*4*	*2*	*180.0*	*.6820*	*95*
2721	Periodicals	5	2	345.1	2.8226	95
2751	Letterpress commercial printing	18	1	55.0	.5878	43
2752	Lithographic commercial printing	20	5	137.9	1.0670	60
3079	Miscellaneous plastics products	39	13	208.0	.8731	73
3499	Fabricated metal products n.e.c.	11	4	213.6	2.4191	75
3544	Special dies, tools, jigs, & fixtures	25	1	53.6	.9319	9
3599	Machinery, except electrical, n.e.c.	20	2	72.5	.6335	46
3661	Telephone & telegraph apparatus	4	2	190.3	.9999	94
4924	*Natural-gas distribution*	*4*	*1*	*536.8*	*2.6552*	*89*
5084	*Industrial-machinery distributors*	*24*	*2*	*184.2*	*1.0819*	*41*
7011	*Hotels, motels, & tourist courts*	*21*	*8*	*86.4*	*.2781*	*78*
7372	*Computer programming & software*	*16*	*5*	*200.2*	*1.7517*	*78*
8062	*General medical & surgical hospitals*	*5*	*5*	*264.1*	*.1461*	*100*
8221	*Colleges & universities n.e.c.*	*5*	*2*	*52.0*	*.1948*	*86*
Edgar	**All mfg.**	**11**	**6**	**122.5**	**.0057**	**82**
Edwards	**All mfg.**	**5**	**4**	**149.8**	**.0069**	**99**
3714	Motor-vehicle parts & accessories	3	3	139.5	.3648	100
Effingham	**All mfg.**	**20**	**7**	**354.7**	**.0164**	**84**
2752	Lithographic commercial printing	3	2	243.5	1.8840	99
3585	Refrigeration & heating equipment	2	2	33.7	.2166	100
Fayette	**All mfg.**	**9**	**3**	**87.0**	**.0040**	**67**
Ford	**All mfg.**	**15**	**5**	**110.3**	**.0051**	**57**
Franklin	**All mfg.**	**12**	**1**	**39.3**	**.0018**	**18**
1211	*Bituminous-coal & lignite mining*	*3*	*3*	*186.6*	*1.1484*	*100*
Fulton	**All mfg.**	**10**	**2**	**89.0**	**.0041**	**29**
Gallatin	**All mfg.**	**3**	**1**	**23.1**	**.0011**	**58**
Greene	**All mfg.**	**3**	**2**	**19.9**	**.0009**	**66**
Grundy	**All mfg.**	**26**	**8**	**723.8**	**.0336**	**76**
4912	*Nuclear power*	*3*	*3*	*692.1*	*2.4609*	*100*
Hamilton	**All mfg.**	**2**		**5.2**	**.0002**	**0**
Hancock	**All mfg.**	**6**	**1**	**50.6**	**.0023**	**9**
Hardin	**All mfg.**	**1**	**1**	**11.5**	**.0005**	**100**
Henry	**All mfg.**	**23**	**9**	**330.4**	**.0153**	**79**
Iroquois	**All mfg.**	**24**	**7**	**264.3**	**.0123**	**70**
Jackson	**All mfg.**	**12**	**4**	**101.3**	**.0047**	**58**
8221	*Colleges & universities n.e.c.*	*1*	*1*	*53.3*	*.1997*	*100*
Jasper	**All mfg.**	**3**	**2**	**55.5**	**.0026**	**96**
Jefferson	**All mfg.**	**13**	**6**	**228.4**	**.0106**	**90**
Jersey	**All mfg.**	**2**	**2**	**12.2**	**.0006**	**100**
Jo Daviess	**All mfg.**	**18**	**5**	**174.3**	**.0081**	**65**
Kane	**All mfg.**	**342**	**110**	**4,616.9**	**.2141**	**78**
2335	Women's & misses' dresses	1	1	77.7	2.2211	100
2522	Metal office furniture	3	3	158.0	4.7007	100
2542	Metal partitions & fixtures	4	4	134.9	6.2689	100
3079	Miscellaneous plastics products	32	9	153.8	.6456	57
3293	Gaskets, packing, & sealing devices	5	2	81.3	3.9516	83
3537	Industrial trucks & tractors	3	1	280.4	10.1231	98
3622	Industrial controls	6	1	120.5	2.3019	87
3661	Telephone & telegraph apparatus	3	3	471.1	2.4754	100
3662	Radio & TV communication equipment	4	2	162.9	.4826	94
3964	Needles, pins, & fasteners	1	1	41.7	3.8324	100
4924	*Natural-gas distribution*	*2*	*1*	*672.9*	*3.3284*	*97*
5084	*Industrial-machinery distributors*	*4*	*1*	*143.4*	*.8423*	*92*
8062	*General medical & surgical hospitals*	*6*	*6*	*265.0*	*.1466*	*100*
Kankakee	**All mfg.**	**51**	**20**	**1,050.2**	**.0487**	**83**
2047	Pet food	3	2	175.0	3.4592	94
3524	Lawn & garden equipment	1	1	77.2	4.4506	100
8062	*General medical & surgical hospitals*	*3*	*3*	*146.8*	*.0812*	*100*
Kendall	**All mfg.**	**19**	**3**	**122.3**	**.0057**	**42**
Knox	**All mfg.**	**21**	**7**	**176.7**	**.0082**	**52**
Lake	**All mfg.**	**256**	**90**	**4,284.9**	**.1987**	**85**
2051	Bread, cake, & related products	2	1	272.3	1.7096	98
2751	Letterpress commercial printing	13	5	222.6	2.3791	93
2834	Pharmaceutical preparations	5	3	1,038.7	4.8672	99
3079	Miscellaneous plastics products	20	7	96.6	.4055	65
3519	Internal-combustion engines n.e.c.	1	1	532.2	5.3657	100
3531	Construction machinery	2	2	120.2	.9931	100
3643	Current-carrying wiring devices	3	2	79.5	2.9216	97
4912	*Nuclear power*	*2*	*2*	*780.2*	*2.7742*	*100*
6025	*National banks, federal reserve system*	*18*	*2*	*244.8*	*.1774*	*31*
7011	*Hotels, motels, & tourist courts*	*8*	*4*	*52.9*	*.1703*	*86*
8062	*General medical & surgical hospitals*	*8*	*8*	*424.2*	*.2347*	*100*
La Salle	**All mfg.**	**78**	**28**	**1,408.5**	**.0653**	**75**
3211	Flat glass	1	1	217.1	7.9872	100
3221	Glass containers	2	2	202.7	4.7385	100
3241	Hydraulic cement	2	2	122.4	2.4985	100
4912	*Nuclear power*	*1*	*1*	*403.6*	*1.4351*	*100*
8062	*General medical & surgical hospitals*	*4*	*3*	*78.6*	*.0435*	*94*
Lawrence	**All mfg.**	**4**	**3**	**518.6**	**.0241**	**99**
Lee	**All mfg.**	**23**	**12**	**330.2**	**.0153**	**82**
3714	Motor-vehicle parts & accessories	2	2	105.3	.2754	100
Livingston	**All mfg.**	**30**	**11**	**364.3**	**.0169**	**81**
2751	Letterpress commercial printing	3	3	70.9	.7578	100
Logan	**All mfg.**	**14**	**5**	**195.6**	**.0091**	**78**
McDonough	**All mfg.**	**13**	**6**	**229.8**	**.0107**	**82**
8221	*Colleges & universities n.e.c.*	*1*	*1*	*70.4*	*.2638*	*100*
McHenry	**All mfg.**	**173**	**65**	**1,779.3**	**.0825**	**78**
3079	Miscellaneous plastics products	14	3	51.0	.2141	44
3622	Industrial controls	3	2	96.8	1.8492	93
3679	Electronic components n.e.c.	12	4	135.7	.6937	86
McLean	**All mfg.**	**36**	**11**	**489.8**	**.0227**	**76**
3622	Industrial controls	1	1	70.7	1.3506	100
3635	Household vacuum cleaners	1	1	128.4	17.9179	100
8062	*General medical & surgical hospitals*	*3*	*3*	*75.2*	*.0416*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*96.9*	*.3630*	*100*
Macon	**All mfg.**	**57**	**22**	**2,374.3**	**.1101**	**90**
2046	Wet corn milling	2	2	756.7	18.4368	100
3011	Tires & inner tubes	1	1	160.8	2.2099	100
3322	Malleable-iron foundries	2	1	50.5	7.2945	97
3494	Valves & pipe fittings	2	2	63.5	.5600	100
3531	Construction machinery	1	1	500.6	4.1358	100
4931	*Electric & other services combined*	*1*	*1*	*759.0*	*2.5664*	*100*
8062	*General medical & surgical hospitals*	*2*	*2*	*75.9*	*.0420*	*100*
Macoupin	**All mfg.**	**15**	**5**	**141.3**	**.0066**	**71**
1211	*Bituminous-coal & lignite mining*	*3*	*2*	*140.9*	*.8671*	*95*
Madison	**All mfg.**	**86**	**34**	**4,766.0**	**.2210**	**93**
2911	Petroleum refining	3	2	2,470.6	1.7622	99
3312	Blast furnaces & steel mills	3	2	685.5	2.3165	99
3351	Copper rolling & drawing	1	1	214.9	6.3108	100
3482	Small-arms ammunition	1	1	319.8	19.4183	100
8062	*General medical & surgical hospitals*	*7*	*7*	*199.6*	*.1104*	*100*
Marion	**All mfg.**	**31**	**14**	**693.4**	**.0322**	**88**
2754	Gravure commercial printing	1	1	219.7	12.5622	100
3079	Miscellaneous plastics products	4	3	66.3	.2783	99
8062	*General medical & surgical hospitals*	*3*	*3*	*67.1*	*.0371*	*100*
Marshall	**All mfg.**	**6**	**2**	**139.9**	**.0065**	**90**
Mason	**All mfg.**	**8**		**34.3**	**.0016**	**0**
Massac	**All mfg.**	**4**	**3**	**68.7**	**.0032**	**79**
Menard	**All mfg.**	**3**	**1**	**19.2**	**.0009**	**20**
Mercer	**All mfg.**	**3**		**7.1**	**.0003**	**0**
Monroe	**All mfg.**	**3**		**9.3**	**.0004**	**0**
Montgomery	**All mfg.**	**18**	**5**	**155.7**	**.0072**	**71**
Morgan	**All mfg.**	**16**	**8**	**404.7**	**.0188**	**94**
3079	Miscellaneous plastics products	1	1	48.2	.2023	100
Moultrie	**All mfg.**	**11**	**4**	**83.3**	**.0039**	**59**

1986 S&MM Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/Receipts ($ Mil.)	% Of U.S. Ship/Recpt	% In Large Estab.
ILLINOIS (cont.)						
Ogle	**All mfg.**	**32**	**15**	**657.2**	**.0305**	**89**
2283	Wool-yarn mills	1	1	48.8	9.3576	100
Peoria	**All mfg.**	**93**	**26**	**3,663.9**	**.1699**	**91**
3312	Blast furnaces & steel mills	1	1	83.8	.2832	100
3321	Gray-iron foundries	1	1	334.0	3.5027	100
3519	Internal-combustion engines n.e.c.	1	1	1,412.2	14.2380	100
3531	Construction machinery	3	3	973.0	8.0386	100
4931	*Electric & other services combined*	*2*	*1*	*22.4*	*.0757*	*94*
7011	*Hotels, motels, & tourist courts*	*7*	*3*	*37.4*	*.1204*	*77*
8062	*General medical & surgical hospitals*	*4*	*4*	*272.9*	*.1510*	*100*
8221	*Colleges & universities n.e.c.*	*2*	*2*	*52.6*	*.1971*	*100*
Perry	**All mfg.**	**8**	**4**	**153.2**	**.0071**	**83**
1211	*Bituminous-coal & lignite mining*	*3*	*3*	*212.0*	*1.3047*	*100*
Piatt	**All mfg.**	**6**	**1**	**68.7**	**.0032**	**41**
Pike	**All mfg.**	**9**		**75.8**	**.0035**	**0**
Pulaski	**All mfg.**	**4**		**23.1**	**.0011**	**0**
Putnam	**All mfg.**	**6**	**2**	**129.4**	**.0060**	**65**
Randolph	**All mfg.**	**9**	**5**	**567.0**	**.0263**	**96**
2732	Book printing	1	1	398.4	9.4594	100
Richland	**All mfg.**	**8**	**1**	**128.8**	**.0060**	**68**
3751	Motorcycles, bicycles, & parts	2	1	91.6	5.5963	96
Rock Island	**All mfg.**	**81**	**30**	**2,509.6**	**.1164**	**85**
3523	Farm machinery & equipment	5	5	1,303.6	13.0968	100
8062	*General medical & surgical hospitals*	*4*	*4*	*148.1*	*.0819*	*100*
St. Clair	**All mfg.**	**68**	**23**	**1,176.7**	**.0546**	**77**
2819	Industrial inorganic chemicals n.e.c.	3	1	272.9	1.6019	94
8062	*General medical & surgical hospitals*	*5*	*5*	*206.4*	*.1142*	*100*
Saline	**All mfg.**	**9**	**1**	**36.8**	**.0017**	**10**
Sangamon	**All mfg.**	**55**	**13**	**750.3**	**.0348**	**68**
8062	*General medical & surgical hospitals*	*4*	*4*	*272.9*	*.1510*	*100*
Schuyler	**All mfg.**	**2**		**13.2**	**.0006**	**0**
Scott	**All mfg.**	**2**		**4.3**	**.0002**	**0**
Shelby	**All mfg.**	**2**	**1**	**91.0**	**.0042**	**94**
Stark	**All mfg.**	**6**	**2**	**37.3**	**.0017**	**45**
Stephenson	**All mfg.**	**27**	**11**	**640.6**	**.0297**	**92**
3011	Tires & inner tubes	1	1	144.7	1.9886	100
3643	Current-carrying wiring devices	1	1	157.0	5.7697	100
Tazewell	**All mfg.**	**33**	**8**	**305.7**	**.0142**	**70**
Union	**All mfg.**	**9**	**6**	**113.5**	**.0053**	**87**
Vermilion	**All mfg.**	**68**	**27**	**1,232.3**	**.0571**	**84**
3079	Miscellaneous plastics products	3	3	60.7	.2548	100
3537	Industrial trucks & tractors	2	1	113.7	4.1048	95
8062	*General medical & surgical hospitals*	*4*	*4*	*148.3*	*.0820*	*100*
Wabash	**All mfg.**	**12**	**7**	**216.8**	**.0101**	**83**
Warren	**All mfg.**	**5**	**2**	**145.9**	**.0068**	**75**
Washington	**All mfg.**	**4**		**30.1**	**.0014**	**0**
Wayne	**All mfg.**	**7**	**4**	**132.5**	**.0061**	**93**
White	**All mfg.**	**3**	**1**	**12.0**	**.0006**	**38**
Whiteside	**All mfg.**	**38**	**16**	**808.0**	**.0375**	**86**
3312	Blast furnaces & steel mills	2	1	278.5	.9411	95
3429	Hardware n.e.c.	4	3	140.5	1.5488	97
3822	Environmental controls	1	1	37.9	2.1967	100
Will	**All mfg.**	**155**	**42**	**2,374.7**	**.1101**	**79**
3531	Construction machinery	1	1	291.6	2.4091	100
3931	Musical instruments & parts	1	1	82.6	5.4278	100
8062	*General medical & surgical hospitals*	*2*	*2*	*55.4*	*.0307*	*100*
Williamson	**All mfg.**	**28**	**7**	**255.0**	**.0118**	**56**
3633	Household laundry equipment	1	1	60.8	3.1079	100
8062	*General medical & surgical hospitals*	*3*	*3*	*62.9*	*.0348*	*100*
Winnebago	**All mfg.**	**314**	**97**	**3,905.5**	**.1811**	**77**
2834	Pharmaceutical preparations	1	1	201.9	.9461	100
3429	Hardware n.e.c.	3	2	208.1	2.2940	96
3452	Bolts, nuts, rivets, & washers	11	5	212.6	5.5026	88
3541	Metal-cutting machine tools	12	7	233.7	5.3627	95
3545	Machine-tool accessories	6	4	47.3	1.4370	89
3561	Pumps & pumping equipment	6	5	151.4	2.2644	97
3599	Machinery, except electrical, n.e.c.	26	2	79.6	.6955	28
3671	Electron tubes	2	2	66.3	3.8977	100
3694	Engine electrical equipment	2	2	172.5	3.2297	100
3714	Motor-vehicle parts & accessories	4	4	242.4	.6339	100
3728	Aircraft equipment n.e.c.	2	1	318.7	2.6420	99
3822	Environmental controls	2	1	35.8	2.0750	96
8062	*General medical & surgical hospitals*	*4*	*4*	*174.6*	*.0966*	*100*
Woodford	**All mfg.**	**15**	**3**	**151.6**	**.0070**	**33**
STATE TOTAL	**All mfg.**	**8,493**	**2,660**	**127,022.5**	**5.8909**	**79**
INDIANA						
Adams	**All mfg.**	**31**	**16**	**385.9**	**.0179**	**78**
Allen	**All mfg.**	**212**	**62**	**3,190.4**	**.1480**	**77**
3011	Tires & inner tubes	1	1	223.2	3.0675	100
3079	Miscellaneous plastics products	16	8	112.5	.4722	80
3612	Transformers	1	1	47.2	1.6712	100
3621	Motors & generators	4	4	160.3	2.0575	100

1986 S&MM Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/Receipts ($ Mil.)	% Of U.S. Ship/Recpt	% In Large Estab.
3662	Radio & TV communication equipment	2	2	510.4	1.5122	100
6025	*National banks, federal reserve system*	*3*	*3*	*170.5*	*.1235*	*100*
8062	*General medical & surgical hospitals*	*4*	*4*	*589.3*	*.3260*	*100*
8221	*Colleges & universities n.e.c.*	*4*	*3*	*49.6*	*.1858*	*93*
Bartholomew	**All mfg.**	**42**	**17**	**1,706.8**	**.0792**	**95**
2514	Metal household furniture	1	1	104.6	4.5556	100
3519	Internal-combustion engines n.e.c.	2	2	1,084.2	10.9311	100
3714	Motor-vehicle parts & accessories	1	1	121.5	.3178	100
Benton	**All mfg.**	**8**		**43.8**	**.0020**	**0**
Blackford	**All mfg.**	**24**	**7**	**219.8**	**.0102**	**72**
Boone	**All mfg.**	**14**	**4**	**147.2**	**.0068**	**74**
Brown	**All mfg.**	**2**		**4.3**	**.0002**	**0**
Carroll	**All mfg.**	**14**	**6**	**207.5**	**.0096**	**83**
Cass	**All mfg.**	**34**	**16**	**661.9**	**.0307**	**89**
8062	*General medical & surgical hospitals*	*2*	*2*	*58.4*	*.0323*	*100*
Clark	**All mfg.**	**36**	**13**	**800.1**	**.0371**	**87**
3483	Ammunition, except small-arms, n.e.c.	2	1	48.8	3.3136	97
Clay	**All mfg.**	**9**	**1**	**35.0**	**.0016**	**24**
Clinton	**All mfg.**	**24**	**10**	**453.3**	**.0210**	**70**
3873	Watches, clocks, & watchcases	1	1	57.3	3.1172	100
Crawford	**All mfg.**	**3**		**17.1**	**.0008**	**0**
Daviess	**All mfg.**	**13**	**2**	**83.7**	**.0039**	**31**
Dearborn	**All mfg.**	**16**	**6**	**1,305.4**	**.0605**	**98**
2085	Distilled liquor, except brandy	2	2	1,213.6	24.5579	100
Decatur	**All mfg.**	**14**	**6**	**146.4**	**.0068**	**63**
De Kalb	**All mfg.**	**36**	**19**	**555.8**	**.0258**	**86**
3069	Fabricated rubber products n.e.c.	4	3	45.6	.8474	93
Delaware	**All mfg.**	**73**	**24**	**1,472.2**	**.0683**	**87**
3612	Transformers	1	1	85.5	3.0272	100
3714	Motor-vehicle parts & accessories	5	4	716.4	1.8736	99
8062	*General medical & surgical hospitals*	*1*	*1*	*66.1*	*.0366*	*100*
Dubois	**All mfg.**	**58**	**30**	**698.3**	**.0324**	**87**
2434	Wood kitchen cabinets	4	4	80.7	5.9078	100
2511	Wood household furniture	5	4	57.8	.7981	92
2517	Wood TV & radio cabinets	1	1	107.6	17.4534	100
2521	Wood office furniture	11	7	106.0	4.5187	86
Elkhart	**All mfg.**	**379**	**133**	**5,236.2**	**.2428**	**81**
2451	Mobile homes	25	12	320.0	6.5576	80
2834	Pharmaceutical preparations	2	2	254.7	1.1935	100
2869	Industrial organic chemicals n.e.c.	1	1	1,125.9	3.5300	100
3069	Fabricated rubber products n.e.c.	9	4	65.5	1.2172	83
3079	Miscellaneous plastics products	14	5	59.2	.2485	55
3711	Motor vehicles & passenger-car bodies	8	2	414.1	.4316	81
3714	Motor-vehicle parts & accessories	9	3	127.6	.3337	79
3732	Boat building & repairing	6	5	88.8	4.0684	96
3792	Travel trailers & campers	43	19	346.6	22.3195	81
3799	Transportation equipment n.e.c.	14	5	75.7	11.5203	70
3822	Environmental controls	1	1	44.3	2.5677	100
3842	Surgical appliances & supplies	1	1	130.2	1.9540	100
3931	Musical instruments & parts	9	5	185.7	12.2027	93
8062	*General medical & surgical hospitals*	*2*	*2*	*79.5*	*.0440*	*100*
Fayette	**All mfg.**	**18**	**9**	**908.1**	**.0421**	**97**
3585	Refrigeration & heating equipment	1	1	255.9	1.6448	100
3639	Household appliances n.e.c.	1	1	153.5	7.6054	100
3714	Motor-vehicle parts & accessories	3	3	360.0	.9415	100
Floyd	**All mfg.**	**39**	**16**	**390.1**	**.0181**	**66**
Fountain	**All mfg.**	**10**	**5**	**128.7**	**.0060**	**80**
Franklin	**All mfg.**	**4**	**3**	**74.4**	**.0035**	**93**
Fulton	**All mfg.**	**27**	**11**	**313.6**	**.0145**	**77**
Gibson	**All mfg.**	**15**	**5**	**344.0**	**.0160**	**83**
Grant	**All mfg.**	**44**	**20**	**966.7**	**.0448**	**84**
3357	Nonferrous-wire drawing & insulating	2	2	198.6	2.8234	100
3662	Radio & TV communication equipment	1	1	154.6	.4581	100
3671	Electron tubes	1	1	152.9	8.9888	100
8062	*General medical & surgical hospitals*	*2*	*2*	*109.4*	*.0605*	*100*
Greene	**All mfg.**	**9**	**4**	**209.7**	**.0097**	**91**
Hamilton	**All mfg.**	**44**	**15**	**512.2**	**.0238**	**73**
3493	Steel springs, except wire	1	1	95.0	7.4486	100
Hancock	**All mfg.**	**10**	**6**	**179.2**	**.0083**	**92**
Harrison	**All mfg.**	**9**	**4**	**67.3**	**.0031**	**74**
Hendricks	**All mfg.**	**7**	**1**	**32.5**	**.0015**	**37**
Henry	**All mfg.**	**27**	**11**	**371.4**	**.0172**	**80**
8062	*General medical & surgical hospitals*	*2*	*2*	*88.6*	*.0490*	*100*
Howard	**All mfg.**	**32**	**16**	**1,624.8**	**.0754**	**96**
3312	Blast furnaces & steel mills	1	1	72.1	.2436	100

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
3369	Nonferrous foundries n.e.c.	1	1	65.0	3.6587	100
3651	Radio & TV receiving sets	1	1	505.3	6.8969	100
3714	Motor-vehicle parts & accessories	2	2	730.2	1.9097	100
8062	*General medical & surgical hospitals*	*2*	*2*	*60.7*	*.0336*	*100*
Huntington	**All mfg.**	**43**	**17**	**539.2**	**.0250**	**75**
3677	Electronic coils & transformers	3	3	74.7	5.8912	100
Jackson	**All mfg.**	**39**	**19**	**533.2**	**.0247**	**73**
Jasper	**All mfg.**	**11**	**5**	**201.7**	**.0094**	**75**
Jay	**All mfg.**	**18**	**6**	**251.5**	**.0117**	**75**
3229	Pressed & blown glass n.e.c.	1	1	83.3	2.0488	100
Jefferson	**All mfg.**	**17**	**8**	**203.5**	**.0094**	**81**
Jennings	**All mfg.**	**10**	**3**	**71.8**	**.0033**	**59**
8062	*General medical & surgical hospitals*	*2*	*2*	*63.4*	*.0351*	*100*
Johnson	**All mfg.**	**23**	**7**	**173.3**	**.0080**	**74**
3714	Motor-vehicle parts & accessories	2	2	95.9	.2508	100
Knox	**All mfg.**	**13**	**7**	**222.2**	**.0103**	**81**
8062	*General medical & surgical hospitals*	*1*	*1*	*57.8*	*.0320*	*100*
Kosciusko	**All mfg.**	**78**	**29**	**1,236.7**	**.0574**	**82**
2754	Gravure commercial printing	1	1	382.4	21.8652	100
3841	Surgical & medical instruments	2	1	126.8	2.5057	97
La Grange	**All mfg.**	**28**	**8**	**310.9**	**.0144**	**75**
3792	Travel trailers & campers	2	2	91.4	5.8858	100
Lake	**All mfg.**	**180**	**61**	**8,494.4**	**.3939**	**92**
2911	Petroleum refining	2	1	1,265.7	.9028	97
3312	Blast furnaces & steel mills	4	3	3,688.1	12.4630	100
3316	Cold-rolled steel sheet, strip, & bars	5	4	602.7	9.2863	98
3317	Steel pipe & tubes	3	2	159.7	2.4464	95
3325	Steel foundries n.e.c.	3	2	140.9	2.7235	95
3341	Secondary nonferrous metals	3	1	571.6	7.9629	95
3443	Fabricated plate work (boiler shops)	5	2	163.6	1.2038	85
3714	Motor-vehicle parts & accessories	1	1	96.8	.2532	100
6025	*National banks, federal reserve system*	*7*	*5*	*295.4*	*.2141*	*96*
8062	*General medical & surgical hospitals*	*6*	*6*	*359.5*	*.1989*	*100*
8221	*Colleges & universities n.e.c.*	*2*	*2*	*60.5*	*.2267*	*100*
La Porte	**All mfg.**	**92**	**38**	**1,197.5**	**.0555**	**76**
3563	Air & gas compressors	2	2	111.3	3.3915	100
8062	*General medical & surgical hospitals*	*4*	*4*	*187.4*	*.1037*	*100*
Lawrence	**All mfg.**	**25**	**9**	**359.6**	**.0167**	**82**
3714	Motor-vehicle parts & accessories	4	3	164.7	.4307	97
Madison	**All mfg.**	**56**	**18**	**1,608.4**	**.0746**	**88**
3647	Vehicular lighting equipment	1	1	346.8	34.0033	100
3691	Storage batteries	1	1	414.6	14.4894	100
3694	Engine electrical equipment	1	1	295.2	5.5271	100
8062	*General medical & surgical hospitals*	*3*	*3*	*78.7*	*.0435*	*100*
Marion	**All mfg.**	**504**	**175**	**9,058.5**	**.4201**	**83**
1611	*Highway & street construction*	*9*	*4*	*106.7*	*.6169*	*85*
2051	Bread, cake, & related products	6	5	105.7	.6636	97
2086	Bottled & canned soft drinks	4	4	173.9	.9159	100
2711	Newspapers	3	1	92.1	.4167	95
2752	Lithographic commercial printing	12	3	94.5	.7312	67
2834	Pharmaceutical preparations	3	3	662.2	3.1030	100
3429	Hardware n.e.c.	3	2	112.7	1.2424	92
3443	Fabricated plate work (boiler shops)	8	4	128.3	.9441	66
3544	Special dies, tools, jigs, & fixtures	18	3	58.6	1.0188	39
3562	Ball & roller bearings	1	1	87.2	2.3469	100
3564	Blowers & exhaust & ventilation fans	5	4	71.9	3.1502	94
3568	Power-transmission equipment n.e.c.	4	2	222.4	5.5606	94
3585	Refrigeration & heating equipment	6	4	341.0	2.1918	97
3652	Phonograph records & pre-recorded tape	2	2	140.9	4.4747	100
3662	Radio & TV communication equipment	5	2	93.9	.2782	94
3679	Electronic components n.e.c.	6	2	176.5	.9023	95
3694	Engine electrical equipment	1	1	273.5	5.1208	100
3713	Truck & bus bodies	4	1	288.5	3.1489	97
3714	Motor-vehicle parts & accessories	6	5	465.8	1.2182	98
3724	Aircraft engines & engine parts	2	1	606.7	6.7490	99
4911	*Electric services*	*1*	*1*	*372.9*	*.3409*	*100*
5065	*Electronic-parts wholesalers*	*10*	*4*	*244.4*	*2.5056*	*75*
5081	*Commercial-equipment wholesalers*	*16*	*4*	*54.9*	*.9023*	*41*
5084	*Industrial-machinery distributors*	*30*	*3*	*155.5*	*.9133*	*33*
5085	*Industrial-supply distributors*	*31*	*2*	*226.6*	*1.1427*	*21*
6025	*National banks, federal reserve system*	*4*	*4*	*915.4*	*.6633*	*100*
7011	*Hotels, motels, & tourist courts*	*48*	*15*	*170.0*	*.5472*	*71*
8062	*General medical & surgical hospitals*	*11*	*11*	*953.1*	*.5273*	*100*
8221	*Colleges & universities n.e.c.*	*5*	*2*	*49.7*	*.1862*	*88*
Marshall	**All mfg.**	**60**	**20**	**584.3**	**.0271**	**66**
Martin	**All mfg.**	**5**	**3**	**62.6**	**.0029**	**87**
Miami	**All mfg.**	**28**	**14**	**328.1**	**.0152**	**76**
Monroe	**All mfg.**	**31**	**12**	**801.0**	**.0371**	**91**
3632	Household refrigerators & freezers	1	1	103.0	4.3159	100
3651	Radio & TV receiving sets	1	1	289.1	3.9459	100
3662	Radio & TV communication equipment	1	1	82.3	.2438	100
8221	*Colleges & universities n.e.c.*	*1*	*1*	*126.0*	*.4721*	*100*
Montgomery	**All mfg.**	**23**	**15**	**757.8**	**.0351**	**93**
2732	Book printing	1	1	387.9	5.2101	100
Morgan	**All mfg.**	**12**	**5**	**102.9**	**.0048**	**69**
Newton	**All mfg.**	**10**	**5**	**102.9**	**.0048**	**57**
Noble	**All mfg.**	**48**	**19**	**502.2**	**.0233**	**73**
Orange	**All mfg.**	**9**	**7**	**162.4**	**.0075**	**95**
Owen	**All mfg.**	**5**	**2**	**35.3**	**.0016**	**75**
Parke	**All mfg.**	**5**	**1**	**24.2**	**.0011**	**45**
Perry	**All mfg.**	**11**	**7**	**148.4**	**.0069**	**89**
Pike	**All mfg.**	**1**		**15.5**	**.0007**	**0**
Porter	**All mfg.**	**33**	**12**	**1,196.3**	**.0555**	**91**
3312	Blast furnaces & steel mills	1	1	610.8	2.0640	100
3316	Cold-rolled steel sheet, strip, & bars	1	1	224.3	3.4560	100
Posey	**All mfg.**	**10**	**4**	**512.3**	**.0238**	**92**
2821	Plastics materials & synthetic resins	1	1	237.6	1.1152	100
Pulaski	**All mfg.**	**11**	**5**	**138.1**	**.0064**	**71**
Putnam	**All mfg.**	**6**	**3**	**72.9**	**.0034**	**89**
Randolph	**All mfg.**	**23**	**10**	**285.6**	**.0132**	**82**
Ripley	**All mfg.**	**10**	**6**	**268.3**	**.0124**	**93**
2531	Public-building & related furniture	1	1	109.3	6.7707	100
3995	Burial caskets	1	1	97.1	12.0816	100
Rush	**All mfg.**	**10**	**4**	**107.4**	**.0050**	**59**
St. Joseph	**All mfg.**	**214**	**58**	**2,473.4**	**.1147**	**73**
3069	Fabricated rubber products n.e.c.	4	1	69.0	1.2823	93
3079	Miscellaneous plastics products	18	9	88.3	.3706	84
3568	Power-transmission equipment n.e.c.	4	2	139.5	3.4878	88
3711	Motor vehicles & passenger-car bodies	2	2	562.6	.5864	100
3714	Motor-vehicle parts & accessories	4	4	265.2	.6936	100
3728	Aircraft equipment n.e.c.	2	2	51.9	.4302	100
8062	*General medical & surgical hospitals*	*6*	*6*	*181.0*	*.1001*	*100*
Scott	**All mfg.**	**10**	**4**	**170.4**	**.0079**	**87**
Shelby	**All mfg.**	**31**	**13**	**428.8**	**.0199**	**78**
Spencer	**All mfg.**	**9**	**7**	**153.6**	**.0071**	**92**
Starke	**All mfg.**	**6**	**2**	**48.2**	**.0022**	**54**
Steuben	**All mfg.**	**26**	**9**	**273.2**	**.0127**	**71**
Sullivan	**All mfg.**	**6**	**2**	**26.2**	**.0012**	**42**
Switzerland	**All mfg.**	**4**	**2**	**46.6**	**.0022**	**80**
Tippecanoe	**All mfg.**	**55**	**25**	**1,377.8**	**.0639**	**86**
2834	Pharmaceutical preparations	1	1	164.7	.7718	100
3354	Aluminum extruded products	1	1	129.9	5.2173	100
8062	*General medical & surgical hospitals*	*3*	*2*	*104.0*	*.0575*	*95*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*70.3*	*.2634*	*100*
Tipton	**All mfg.**	**8**	**2**	**122.3**	**.0057**	**66**
Union	**All mfg.**	**2**	**1**	**20.7**	**.0010**	**69**
Vanderburgh	**All mfg.**	**124**	**53**	**3,005.1**	**.1394**	**90**
2023	Condensed & evaporated milk	1	1	636.4	12.2739	100
2086	Bottled & canned soft drinks	6	5	133.0	.7005	97
2834	Pharmaceutical preparations	1	1	325.6	1.5257	100
3079	Miscellaneous plastics products	14	9	117.8	.4945	88
3632	Household refrigerators & freezers	1	1	426.0	17.8504	100
8062	*General medical & surgical hospitals*	*4*	*4*	*238.2*	*.1318*	*100*
Vermillion	**All mfg.**	**8**	**4**	**178.2**	**.0083**	**92**
Vigo	**All mfg.**	**62**	**27**	**1,764.8**	**.0818**	**88**
3079	Miscellaneous plastics products	5	3	51.8	.2174	91
3353	Aluminum sheet, plate, & foil	1	1	312.1	5.7849	100
3652	Phonograph records & pre-recorded tape	1	1	260.8	8.2825	100
8062	*General medical & surgical hospitals*	*2*	*2*	*84.7*	*.0469*	*100*
8221	*Colleges & universities n.e.c.*	*3*	*2*	*49.9*	*.1870*	*95*
Wabash	**All mfg.**	**32**	**17**	**531.5**	**.0246**	**82**
Warren	**All mfg.**	**2**		**7.4**	**.0003**	**0**
Warrick	**All mfg.**	**12**	**2**	**258.5**	**.0120**	**89**
1211	*Bituminous-coal & lignite mining*	*6*	*5*	*314.5*	*1.9355*	*95*
3353	Aluminum sheet, plate, & foil	1	1	218.6	4.0518	100
Washington	**All mfg.**	**18**	**8**	**164.2**	**.0076**	**79**
Wayne	**All mfg.**	**72**	**28**	**830.6**	**.0385**	**80**
3357	Nonferrous-wire drawing & insulating	2	1	97.3	1.3833	95
8062	*General medical & surgical hospitals*	*2*	*2*	*74.8*	*.0414*	*100*
Wells	**All mfg.**	**15**	**7**	**226.5**	**.0105**	**88**
White	**All mfg.**	**13**	**5**	**103.4**	**.0048**	**72**
Whitley	**All mfg.**	**20**	**4**	**80.5**	**.0037**	**24**
STATE TOTAL	**All mfg.**	**3,574**	**1,342**	**66,456.6**	**3.0820**	**84**

IOWA

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Adair	**All mfg.**	**2**	**2**	**37.3**	**.0017**	**100**
Adams	**All mfg.**	**3**	**2**	**10.7**	**.0005**	**82**
Allamakee	**All mfg.**	**8**	**5**	**100.9**	**.0047**	**60**
Appanoose	**All mfg.**	**3**	**2**	**46.2**	**.0021**	**93**
Audubon	**All mfg.**	**2**		**23.1**	**.0011**	**0**
Benton	**All mfg.**	**10**	**1**	**67.1**	**.0031**	**28**
Black Hawk	**All mfg.**	**60**	**17**	**1,339.9**	**.0621**	**86**
2011	Meat-packing plants	1	1	209.0	.4680	100
3523	Farm machinery & equipment	5	3	642.9	6.4590	99
8062	*General medical & surgical hospitals*	*4*	*4*	*124.4*	*.0688*	*100*
Boone	**All mfg.**	**15**	**4**	**124.6**	**.0058**	**52**
Bremer	**All mfg.**	**11**	**2**	**138.2**	**.0064**	**76**
Buchanan	**All mfg.**	**7**	**1**	**66.6**	**.0031**	**52**
Buena Vista	**All mfg.**	**8**	**2**	**58.7**	**.0027**	**32**
Butler	**All mfg.**	**1**		**5.2**	**.0002**	**0**
Calhoun	**All mfg.**	**5**		**25.8**	**.0012**	**0**

1986 S&MM Est.

County SIC	Industry	Establishments		Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
		Total	Large			
IOWA (cont.)						
Carroll	**All mfg.**	**9**	**2**	**143.0**	**.0066**	**61**
Cass	**All mfg.**	**16**	**4**	**147.4**	**.0068**	**57**
Cedar	**All mfg.**	**10**	**1**	**95.8**	**.0044**	**7**
Cerro Gordo	**All mfg.**	**35**	**14**	**398.5**	**.0185**	**60**
Cherokee	**All mfg.**	**12**	**3**	**228.5**	**.0106**	**87**
Chickasaw	**All mfg.**	**5**	**2**	**98.3**	**.0046**	**67**
Clarke	**All mfg.**	**8**	**2**	**88.8**	**.0041**	**79**
Clay	**All mfg.**	**15**	**3**	**240.5**	**.0112**	**68**
Clayton	**All mfg.**	**14**	**2**	**119.0**	**.0055**	**18**
Clinton	**All mfg.**	**35**	**19**	**920.3**	**.0427**	**91**
Crawford	**All mfg.**	**5**	**2**	**213.1**	**.0099**	**96**
Dallas	**All mfg.**	**14**	**1**	**231.3**	**.0107**	**75**
8062	*General medical & surgical hospitals*	*2*	*2*	*62.8*	*.0347*	*100*
Davis	**All mfg.**	**2**		**6.7**	**.0003**	**0**
Decatur	**All mfg.**	**3**	**1**	**15.3**	**.0007**	**63**
Delaware	**All mfg.**	**10**	**3**	**87.8**	**.0041**	**54**
Des Moines	**All mfg.**	**35**	**17**	**683.1**	**.0317**	**88**
3482	Small-arms ammunition	1	1	165.9	10.0735	100
3537	Industrial trucks & tractors	1	1	77.4	2.7943	100
Dickinson	**All mfg.**	**6**	**3**	**90.0**	**.0042**	**85**
Dubuque	**All mfg.**	**57**	**20**	**1,574.0**	**.0730**	**91**
2011	Meat-packing plants	2	1	611.8	1.3700	96
3531	Construction machinery	1	1	478.8	3.9557	100
8062	*General medical & surgical hospitals*	*3*	*3*	*83.4*	*.0461*	*100*
Emmet	**All mfg.**	**8**	**5**	**241.4**	**.0112**	**95**
Fayette	**All mfg.**	**15**	**2**	**85.3**	**.0040**	**27**
Floyd	**All mfg.**	**4**	**2**	**70.4**	**.0033**	**92**
Franklin	**All mfg.**	**7**	**3**	**58.5**	**.0027**	**80**
Fremont	**All mfg.**	**2**		**13.6**	**.0006**	**0**
Greene	**All mfg.**	**7**	**2**	**65.8**	**.0031**	**73**
Grundy	**All mfg.**	**8**	**1**	**74.5**	**.0035**	**4**
Hamilton	**All mfg.**	**16**	**3**	**226.3**	**.0105**	**70**
Hancock	**All mfg.**	**11**	**4**	**115.1**	**.0053**	**76**
Hardin	**All mfg.**	**19**	**5**	**192.2**	**.0089**	**61**
Harrison	**All mfg.**	**3**		**11.0**	**.0005**	**0**
Henry	**All mfg.**	**11**	**5**	**136.7**	**.0063**	**81**
Howard	**All mfg.**	**4**	**1**	**34.7**	**.0016**	**47**
Humboldt	**All mfg.**	**9**	**1**	**57.0**	**.0026**	**23**
Ida	**All mfg.**	**5**	**2**	**47.2**	**.0022**	**79**
Iowa	**All mfg.**	**16**	**6**	**99.5**	**.0046**	**69**
Jackson	**All mfg.**	**9**	**1**	**61.8**	**.0029**	**14**
Jasper	**All mfg.**	**12**	**3**	**321.4**	**.0149**	**86**
3633	Household laundry equipment	1	1	220.5	11.2713	100
3993	Signs & advertising displays	2	1	57.4	2.4220	95
Jefferson	**All mfg.**	**13**	**5**	**105.6**	**.0049**	**72**
Johnson	**All mfg.**	**19**	**8**	**567.2**	**.0263**	**89**
8062	*General medical & surgical hospitals*	*3*	*3*	*254.4*	*.1408*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*53.3*	*.1997*	*100*
Jones	**All mfg.**	**11**	**5**	**258.4**	**.0120**	**92**
Keokuk	**All mfg.**	**1**		**2.2**	**.0001**	**0**
Kossuth	**All mfg.**	**9**	**4**	**154.7**	**.0072**	**61**
Lee	**All mfg.**	**34**	**18**	**964.8**	**.0447**	**88**
3069	Fabricated rubber products n.e.c.	1	1	84.8	1.5759	100
3951	Pens & mechanical pencils	1	1	45.4	4.4078	100
Linn	**All mfg.**	**91**	**34**	**3,150.5**	**.1461**	**83**
2011	Meat-packing plants	1	1	501.2	1.1223	100
2043	Cereal breakfast foods	2	2	302.8	7.7198	100
3531	Construction machinery	5	3	159.8	1.3202	95
3551	Food-products machinery	2	2	60.4	2.2528	100
3662	Radio & TV communication equipment	4	2	675.7	2.0020	99
8062	*General medical & surgical hospitals*	*2*	*2*	*124.6*	*.0689*	*100*
Louisa	**All mfg.**	**4**	**1**	**57.5**	**.0027**	**61**
Lucas	**All mfg.**	**4**	**1**	**32.1**	**.0015**	**18**
Lyon	**All mfg.**	**4**	**1**	**29.5**	**.0014**	**21**
Madison	**All mfg.**	**1**		**8.2**	**.0004**	**0**
Mahaska	**All mfg.**	**16**	**4**	**141.4**	**.0066**	**59**
Marion	**All mfg.**	**9**	**4**	**398.7**	**.0185**	**92**
2431	Millwork	1	1	159.3	2.6029	100
8062	*General medical & surgical hospitals*	*3*	*3*	*72.0*	*.0398*	*100*
Marshall	**All mfg.**	**27**	**8**	**642.1**	**.0298**	**87**
3494	Valves & pipe fittings	2	1	306.2	2.7006	100
Mills	**All mfg.**	**1**		**5.5**	**.0003**	**0**
8062	*General medical & surgical hospitals*	*1*	*1*	*57.0*	*.0315*	*100*
Mitchell	**All mfg.**	**6**	**2**	**50.1**	**.0023**	**66**
Monona	**All mfg.**	**2**		**5.9**	**.0003**	**0**
Monroe	**All mfg.**	**5**	**2**	**33.6**	**.0016**	**83**
Montgomery	**All mfg.**	**10**	**4**	**128.9**	**.0060**	**72**
Muscatine	**All mfg.**	**37**	**16**	**1,292.7**	**.0600**	**93**
2522	Metal office furniture	1	1	117.7	3.5017	100
O'Brien	**All mfg.**	**7**	**2**	**237.6**	**.0110**	**39**
Osceola	**All mfg.**	**5**	**1**	**51.2**	**.0024**	**43**
Page	**All mfg.**	**12**	**5**	**170.0**	**.0079**	**78**
Palo Alto	**All mfg.**	**7**	**1**	**33.1**	**.0015**	**34**
Plymouth	**All mfg.**	**10**	**2**	**155.3**	**.0072**	**60**
Pocahontas	**All mfg.**	**6**	**2**	**20.4**	**.0009**	**60**
Polk	**All mfg.**	**164**	**50**	**2,851.2**	**.1322**	**76**
1622	*Bridge & tunnel construction*	*5*	*3*	*237.7*	*3.5190*	*97*
2721	Periodicals	5	2	170.3	1.3929	92
3011	Tires & inner tubes	2	2	361.9	4.9737	100
3523	Farm machinery & equipment	4	2	209.4	2.1038	97
3524	Lawn & garden equipment	1	1	66.1	3.8107	100
6025	*National banks, federal reserve system*	*7*	*3*	*241.5*	*.1750*	*92*
7011	*Hotels, motels, & tourist courts*	*27*	*6*	*74.3*	*.2392*	*53*
7374	*Data-processing services*	*2*	*1*	*53.1*	*.6607*	*88*
8062	*General medical & surgical hospitals*	*5*	*5*	*280.8*	*.1554*	*100*
Pottawattamie	**All mfg.**	**36**	**12**	**469.9**	**.0218**	**76**
8062	*General medical & surgical hospitals*	*2*	*2*	*201.8*	*.1116*	*100*
Poweshiek	**All mfg.**	**12**	**4**	**84.8**	**.0039**	**43**
Ringgold	**All mfg.**	**1**		**3.1**	**.0001**	**0**
Sac	**All mfg.**	**7**	**1**	**37.0**	**.0017**	**48**
Scott	**All mfg.**	**95**	**29**	**1,967.3**	**.0912**	**84**
3353	Aluminum sheet, plate, & foil	2	2	252.0	4.6709	100
3531	Construction machinery	4	3	493.3	4.0755	99
4931	*Electric & other services combined*	*2*	*1*	*351.7*	*1.1892*	*96*
8062	*General medical & surgical hospitals*	*3*	*3*	*154.8*	*.0856*	*100*
Shelby	**All mfg.**	**5**	**1**	**50.1**	**.0023**	**59**
Sioux	**All mfg.**	**27**	**8**	**285.3**	**.0132**	**34**
Story	**All mfg.**	**16**	**5**	**230.0**	**.0107**	**77**
8221	*Colleges & universities n.e.c.*	*1*	*1*	*48.5*	*.1817*	*100*
Tama	**All mfg.**	**3**	**2**	**142.2**	**.0066**	**98**
Taylor	**All mfg.**	**4**	**1**	**31.7**	**.0015**	**14**
Union	**All mfg.**	**7**	**2**	**97.0**	**.0045**	**56**
Van Buren	**All mfg.**	**6**		**18.7**	**.0009**	**0**
Wapello	**All mfg.**	**16**	**6**	**334.5**	**.0155**	**82**
3523	Farm machinery & equipment	2	1	151.7	1.5241	94
Warren	**All mfg.**	**5**	**1**	**50.8**	**.0024**	**54**
Washington	**All mfg.**	**11**	**5**	**135.2**	**.0063**	**78**
Wayne	**All mfg.**	**6**	**1**	**37.5**	**.0017**	**24**
Webster	**All mfg.**	**31**	**12**	**785.9**	**.0364**	**81**
2011	Meat-packing plants	2	2	402.9	.9022	100
Winnebago	**All mfg.**	**11**	**4**	**401.0**	**.0186**	**90**
2451	Mobile homes	1	1	194.9	3.9940	100
Winneshiek	**All mfg.**	**11**	**2**	**65.3**	**.0030**	**31**
Woodbury	**All mfg.**	**62**	**20**	**729.3**	**.0338**	**54**
8062	*General medical & surgical hospitals*	*3*	*3*	*119.0*	*.0658*	*100*
Worth	**All mfg.**	**3**		**8.2**	**.0004**	**0**
Wright	**All mfg.**	**15**	**2**	**242.5**	**.0112**	**72**
STATE TOTAL	**All mfg.**	**1,497**	**482**	**27,093.8**	**1.2565**	**78**
KANSAS						
Allen	**All mfg.**	**16**	**5**	**191.3**	**.0089**	**68**
Anderson	**All mfg.**	**8**	**1**	**33.7**	**.0016**	**14**
Atchison	**All mfg.**	**14**	**6**	**264.5**	**.0123**	**83**
Barber	**All mfg.**	**2**	**1**	**23.5**	**.0011**	**94**
Barton	**All mfg.**	**13**	**4**	**148.2**	**.0069**	**77**
Bourbon	**All mfg.**	**14**	**5**	**104.0**	**.0048**	**70**
Brown	**All mfg.**	**5**	**2**	**32.1**	**.0015**	**71**
Butler	**All mfg.**	**14**	**5**	**937.6**	**.0435**	**96**
Chase	**All mfg.**	**1**		**2.0**	**.0001**	**0**
Chautauqua	**All mfg.**	**1**		**2.0**	**.0001**	**0**
Cherokee	**All mfg.**	**15**	**5**	**115.8**	**.0054**	**46**
Clark	**All mfg.**	**1**		**5.5**	**.0003**	**0**
Clay	**All mfg.**	**8**	**2**	**91.3**	**.0042**	**67**
Cloud	**All mfg.**	**6**	**1**	**113.7**	**.0053**	**6**
Coffey	**All mfg.**	**2**	**1**	**23.1**	**.0011**	**91**
Comanche	**All mfg.**	**1**		**3.9**	**.0002**	**0**
Cowley	**All mfg.**	**28**	**11**	**1,057.1**	**.0490**	**91**
2011	Meat-packing plants	3	2	401.6	.8993	98
Crawford	**All mfg.**	**29**	**9**	**263.0**	**.0122**	**54**
Decatur	**All mfg.**	**1**		**2.5**	**.0001**	**0**
Dickinson	**All mfg.**	**15**	**1**	**67.2**	**.0031**	**17**
Doniphan	**All mfg.**	**10**	**4**	**164.9**	**.0076**	**53**

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
Douglas	All mfg.	38	11	564.9	.0262	78
8221	*Colleges & universities n.e.c.*	*2*	*1*	*171.5*	*.6425*	*99*
Edwards	All mfg.	4		17.3	.0008	0
Ellis	All mfg.	12	2	96.5	.0045	34
Ellsworth	All mfg.	5	1	21.5	.0010	61
Finney	All mfg.	17		91.6	.0042	0
Ford	All mfg.	28	3	1,243.9	.0577	85
2011	Meat-packing plants	2	1	573.9	1.2851	98
2013	Sausages & other prepared meats	3	1	510.5	3.6509	93
Franklin	All mfg.	17	2	70.4	.0033	16
Geary	All mfg.	10	3	57.1	.0026	48
8062	*General medical & surgical hospitals*	*2*	*2*	*58.3*	*.0323*	*100*
Gove	All mfg.	3		22.1	.0010	0
Graham	All mfg.	1		2.7	.0001	0
Grant	All mfg.	5	1	45.0	.0021	26
Gray	All mfg.	1		9.6	.0004	0
Greeley	All mfg.	1		4.0	.0002	0
Harper	All mfg.	7		30.6	.0014	0
Harvey	All mfg.	29	7	259.4	.0120	56
Haskell	All mfg.	2		7.8	.0004	0
Jackson	All mfg.	2		14.7	.0007	0
Jefferson	All mfg.	2		8.0	.0004	0
Jewell	All mfg.	1	1	42.8	.0020	100
Johnson	All mfg.	186	46	1,937.5	.0899	72
3079	Miscellaneous plastics products	13	3	62.7	.2632	64
3662	Radio & TV communication equipment	2	1	58.1	.1721	88
7011	*Hotels, motels, & tourist courts*	*11*	*4*	*32.7*	*.1053*	*75*
8062	*General medical & surgical hospitals*	*2*	*2*	*101.9*	*.0564*	*100*
Kingman	All mfg.	3		15.9	.0007	0
Labette	All mfg.	30	10	384.5	.0178	70
3483	Ammunition, except small-arms, n.e.c.	2	2	72.2	4.9026	100
Lane	All mfg.	2		14.4	.0007	0
Leavenworth	All mfg.	17	5	219.2	.0102	73
8062	*General medical & surgical hospitals*	*5*	*4*	*103.7*	*.0574*	*95*
Lincoln	All mfg.	3		12.3	.0006	0
Linn	All mfg.	4		19.5	.0009	0
Logan	All mfg.	1		2.5	.0001	0
Lyon	All mfg.	19	6	1,514.3	.0702	91
2011	Meat-packing plants	2	2	1,280.3	2.8669	100
McPherson	All mfg.	31	8	2,194.5	.1018	94
2911	Petroleum refining	6	4	1,964.5	1.4012	97
Marion	All mfg.	13	2	79.9	.0037	55
Marshall	All mfg.	12	2	70.8	.0033	39
Meade	All mfg.	1		5.5	.0003	0
Miami	All mfg.	14	3	54.8	.0025	29
Mitchell	All mfg.	9	2	87.2	.0040	68
Montgomery	All mfg.	40	12	893.7	.0414	90
Morris	All mfg.	6		61.7	.0029	0
Morton	All mfg.	2		8.6	.0004	0
Nemaha	All mfg.	7	2	83.2	.0039	30
Neosho	All mfg.	25	9	166.1	.0077	74
Ness	All mfg.	1		2.0	.0001	0
Norton	All mfg.	1		5.3	.0002	0
Osage	All mfg.	3	1	44.0	.0020	61
Osborne	All mfg.	5		43.6	.0020	0
Ottawa	All mfg.	2	1	33.8	.0016	80
Pawnee	All mfg.	4		20.0	.0009	0
Phillips	All mfg.	4	1	133.7	.0062	34
Pottawatomie	All mfg.	5	1	54.9	.0025	46
Pratt	All mfg.	10		60.3	.0028	0
Reno	All mfg.	62	18	861.0	.0399	81
3561	Pumps & pumping equipment	1	1	156.6	2.3422	100
Republic	All mfg.	4		17.7	.0008	0
Rice	All mfg.	7	1	108.7	.0050	62
Riley	All mfg.	12	4	76.2	.0035	63
Rooks	All mfg.	1		6.3	.0003	0
Rush	All mfg.	4		18.8	.0009	0
Russell	All mfg.	5	1	30.1	.0014	52
Saline	All mfg.	48	8	464.8	.0216	68
Scott	All mfg.	1		114.0	.0053	0
Sedgwick	All mfg.	305	68	10,081.0	.4675	90
1311	*Crude petroleum & natural gas*	*41*		*722.7*	*2.0111*	*0*
1629	*Heavy construction n.e.c.*	*5*	*2*	*102.9*	*.3899*	*77*
2011	Meat-packing plants	5	4	1,009.1	2.2596	99
3079	Miscellaneous plastics products	11	3	285.5	1.1984	93
3574	Calculating & accounting machines	1	1	157.9	6.3079	100
3721	Aircraft	5	5	3,443.2	11.9054	100
3728	Aircraft equipment n.e.c.	27	5	131.0	1.0860	53
3761	Guided missiles & space vehicles	1	1	917.6	6.9466	100
3949	Sporting & athletic goods n.e.c.	3	2	130.2	3.2047	99
4911	*Electric services*	*3*	*1*	*382.4*	*.3496*	*95*
6025	*National banks, federal reserve system*	*6*	*3*	*224.1*	*.1624*	*91*
7011	*Hotels, motels, & tourist courts*	*14*	*3*	*31.7*	*.1020*	*49*
8062	*General medical & surgical hospitals*	*5*	*5*	*370.6*	*.2050*	*100*
8221	*Colleges & universities n.e.c.*	*2*	*2*	*89.6*	*.3357*	*100*
Seward	All mfg.	5	3	713.5	.0331	99
2011	Meat-packing plants	1	1	522.8	1.1707	100
Shawnee*	All mfg.	78	22	1,146.3	.0532	79
2771	Greeting-card publishing	1	1	122.2	5.0995	100
3011	Tires & inner tubes	1	1	278.4	3.8261	100
7011	*Hotels, motels, & tourist courts*	*13*	*5*	*136.0*	*.4378*	*91*
8062	*General medical & surgical hospitals*	*6*	*6*	*265.2*	*.1467*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*58.2*	*.2180*	*100*
Sheridan	All mfg.	1		3.8	.0002	0
Sherman	All mfg.	3	2	40.2	.0019	97
Smith	All mfg.	4		20.8	.0010	0
Stafford	All mfg.	3		12.3	.0006	0
Sumner	All mfg.	17	2	93.2	.0043	35
Thomas	All mfg.	3		3.3	.0002	0
Trego	All mfg.	2		4.3	.0002	0
Wabaunsee	All mfg.	1		5.0	.0002	0
Wallace	All mfg.	1		8.2	.0004	0
Washington	All mfg.	2		20.0	.0009	0
Wilson	All mfg.	14	4	243.2	.0113	70
Woodson	All mfg.	1		2.3	.0001	0
Wyandotte	All mfg.	175	36	4,165.8	.1932	79
2841	Soap & other detergents	2	2	493.0	5.7021	100
3296	Mineral wool	2	2	173.2	7.3430	100
3711	Motor vehicles & passenger-car bodies	1	1	1,801.5	1.8778	100
8062	*General medical & surgical hospitals*	*2*	*2*	*179.6*	*.0994*	*100*
STATE TOTAL	All mfg.	1,608	374	32,741.3	1.5184	81

KENTUCKY

County SIC	Industry	Establishments Total	Establishments Large	Shipments/Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
Adair	All mfg.	8	1	60.9	.0028	47
Allen	All mfg.	9	4	82.1	.0038	83
Anderson	All mfg.	11	5	130.0	.0060	64
Ballard	All mfg.	5	2	100.0	.0046	90
Barren	All mfg.	22	7	214.6	.0100	64
Bell	All mfg.	9	2	73.1	.0034	69
Boone	All mfg.	35	16	355.1	.0165	79
3079	Miscellaneous plastics products	7	4	58.1	.2439	84
Bourbon	All mfg.	8	4	83.4	.0039	79
Boyd	All mfg.	19	8	1,843.0	.0855	97
2911	Petroleum refining	1	1	1,110.5	.7921	100
3312	Blast furnaces & steel mills	1	1	504.1	1.7035	100
Boyle	All mfg.	17	9	343.5	.0159	92
Bracken	All mfg.	2	1	15.2	.0007	75
Breckinridge	All mfg.	5	1	15.1	.0007	40
Bullitt	All mfg.	6	3	195.7	.0091	96
Butler	All mfg.	3	2	18.9	.0009	87
Caldwell	All mfg.	5	3	59.4	.0028	95
Calloway	All mfg.	10	4	213.3	.0099	83
8221	*Colleges & universities n.e.c.*	*1*	*1*	*55.4*	*.2076*	*100*
Campbell	All mfg.	28	7	270.8	.0126	64
Carlisle	All mfg.	2	2	25.4	.0012	100
Carroll	All mfg.	13	9	381.2	.0177	94
Carter	All mfg.	7	4	48.3	.0022	68
Casey	All mfg.	9	1	49.0	.0023	41
Christian	All mfg.	28	11	350.1	.0162	60
8062	*General medical & surgical hospitals*	*3*	*3*	*108.9*	*.0603*	*100*
Clark	All mfg.	16	7	525.1	.0244	92
Clay	All mfg.	2	1	24.7	.0011	91
Clinton	All mfg.	4	1	39.0	.0018	71
Crittenden	All mfg.	2	1	30.3	.0014	89
Cumberland	All mfg.	5	3	56.4	.0026	93
Daviess	All mfg.	43	21	748.2	.0347	81
Edmonson	All mfg.	1	1	9.9	.0005	100
Estill	All mfg.	3	1	20.7	.0010	73
Fayette	All mfg.	79	21	3,344.1	.1551	92
3433	Heating equipment, except electric	1	1	129.4	2.7369	100
3579	Office machines n.e.c.	2	2	2,427.7	21.3359	100
3613	Switchgear & switchboard apparatus	1	1	112.8	2.2584	100
7011	*Hotels, motels, & tourist courts*	*20*	*4*	*49.4*	*.1590*	*52*
8062	*General medical & surgical hospitals*	*7*	*7*	*319.5*	*.1768*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*53.3*	*.1997*	*100*
Fleming	All mfg.	2	2	45.4	.0021	100
Floyd	All mfg.	4	1	48.4	.0022	28
1211	*Bituminous-coal & lignite mining*	*4*	*2*	*75.4*	*.4640*	*91*
Franklin	All mfg.	13	9	349.6	.0162	95
2085	Distilled liquor, except brandy	2	2	226.2	4.5773	100
Fulton	All mfg.	9	5	109.5	.0051	92
Garrard	All mfg.	3	2	41.6	.0019	94
Grant	All mfg.	3	1	21.6	.0010	45
Graves	All mfg.	13	4	200.2	.0093	84
Grayson	All mfg.	11	5	121.9	.0057	85
Green	All mfg.	7	4	103.6	.0048	21
Greenup	All mfg.	7	4	141.5	.0066	78

1986 S&MM Est

KENTUCKY (cont.)

County SIC	Industry	Establishments Total	Establishments Large	Shipments/Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
Hancock	All mfg.	7	7	536.1	.0249	100
3353	Aluminum sheet, plate, & foil	1	1	283.1	5.2474	100
Hardin	All mfg.	27	11	365.9	.0170	80
8062	*General medical & surgical hospitals*	*2*	*2*	*95.6*	*.0529*	*100*
Harlan	All mfg.	6		23.7	.0011	0
1211	*Bituminous-coal & lignite mining*	*10*	*6*	*179.8*	*1.1065*	*88*
Harrison	All mfg.	10	8	208.5	.0097	99
Hart	All mfg.	6	3	66.2	.0031	63
Henderson	All mfg.	29	11	575.2	.0267	87
3714	Motor-vehicle parts & accessories	2	2	106.7	.2791	100
Henry	All mfg.	6	1	74.2	.0034	16
Hickman	All mfg.	1	1	17.7	.0008	100
Hopkins	All mfg.	18	8	295.5	.0137	83
1211	*Bituminous-coal & lignite mining*	*9*	*4*	*135.9*	*.8364*	*76*
Jackson	All mfg.	2		6.5	.0003	0
Jefferson	All mfg.	391	136	12,545.6	.5818	90
2011	Meat-packing plants	4	2	448.1	1.0034	97
2013	Sausages & other prepared meats	1	1	106.0	.7581	100
2085	Distilled liquor, except brandy	5	3	608.8	12.3194	95
2086	Bottled & canned soft drinks	4	3	220.0	1.1587	93
2111	Cigarettes	2	2	1,198.8	9.2030	100
2711	Newspapers	5	1	90.0	.4072	92
2752	Lithographic commercial printing	16	6	97.2	.7521	61
2821	Plastics materials & synthetic resins	4	3	361.4	1.6963	96
2822	Synthetic rubber	3	3	861.3	13.8086	100
2851	Paints & allied products	16	4	209.8	1.8747	52
3353	Aluminum sheet, plate, & foil	4	3	272.6	5.0527	95
3494	Valves & pipe fittings	3	3	225.6	1.9897	100
3585	Refrigeration & heating equipment	3	2	1,541.7	9.9094	100
3631	Household cooking equipment	1	1	268.3	9.2164	100
3632	Household refrigerators & freezers	1	1	261.5	10.9575	100
3633	Household laundry equipment	1	1	220.5	11.2713	100
3639	Household appliances n.e.c.	2	1	278.9	13.8186	98
3662	Radio & TV communication equipment	1	1	176.5	.5229	100
3711	Motor vehicles & passenger-car bodies	2	2	1,603.0	1.6709	100
3713	Truck & bus bodies	1	1	317.2	3.4622	100
4011	*Line-haul-operating railroads*	*2*	*2*	*1,600.6*	*6.4698*	*100*
4931	*Electric & other services combined*	*2*	*1*	*555.1*	*1.8769*	*98*
6025	*National banks, federal reserve system*	*3*	*3*	*346.4*	*.2510*	*100*
7011	*Hotels, motels, & tourist courts*	*30*	*5*	*90.6*	*.2916*	*57*
8062	*General medical & surgical hospitals*	*16*	*15*	*827.8*	*.4580*	*100*
Jessamine	All mfg.	16	5	96.0	.0045	56
Johnson	All mfg.	2	1	28.8	.0013	83
Kenton	All mfg.	53	13	379.0	.0176	56
8062	*General medical & surgical hospitals*	*1*	*1*	*65.5*	*.0362*	*100*
Knox	All mfg.	3	1	51.6	.0024	80
Larue	All mfg.	2	1	15.3	.0007	83
Laurel	All mfg.	15	5	170.4	.0079	66
Lawrence	All mfg.	1		1.3	.0001	0
Lee	All mfg.	1		5.4	.0003	0
Leslie	All mfg.	1	1	8.3	.0004	100
Letcher	All mfg.	6	1	26.1	.0012	35
1211	*Bituminous-coal & lignite mining*	*8*	*3*	*148.3*	*.9127*	*76*
Lewis	All mfg.	2	2	42.1	.0020	100
Lincoln	All mfg.	3	1	15.2	.0007	54
Livingston	All mfg.	3		9.7	.0004	0
Logan	All mfg.	20	10	303.1	.0141	87
Lyon	All mfg.	1	1	10.6	.0005	100
McCracken	All mfg.	27	7	501.8	.0233	84
2819	Industrial inorganic chemicals n.e.c.	2	2	350.2	2.0556	100
8062	*General medical & surgical hospitals*	*2*	*2*	*75.3*	*.0417*	*100*
McCreary	All mfg.	3	1	13.8	.0006	61
McLean	All mfg.	4	1	27.7	.0013	78
Madison	All mfg.	21	13	292.9	.0136	90
Magoffin	All mfg.	1	1	12.2	.0006	100
Marion	All mfg.	6	2	38.4	.0018	48
Marshall	All mfg.	10	7	742.1	.0344	99
2869	Industrial organic chemicals n.e.c.	3	3	471.7	1.4789	100
Martin						
1211	*Bituminous-coal & lignite mining*	*7*	*3*	*180.1*	*1.1084*	*80*
Mason	All mfg.	15	7	339.0	.0157	85
Meade	All mfg.	2	1	76.5	.0035	92
Menifee	All mfg.	1		6.2	.0003	0
Mercer	All mfg.	9	5	100.1	.0046	68
Metcalfe	All mfg.	2	1	10.7	.0005	84
Monroe	All mfg.	15	4	66.5	.0031	51
Montgomery	All mfg.	8	5	175.5	.0081	98
3621	Motors & generators	1	1	49.5	.6353	100
Morgan	All mfg.	1	1	9.2	.0004	100
Muhlenberg	All mfg.	9	1	32.0	.0015	30
1211	*Bituminous-coal & lignite mining*	*8*	*5*	*405.5*	*2.4956*	*98*
4911	*Electric services*	*1*	*1*	*188.4*	*.1723*	*100*
Nelson	All mfg.	11	5	277.3	.0129	83
Nicholas	All mfg.	2	2	27.4	.0013	100
Ohio	All mfg.	9	5	59.9	.0028	72
Oldham	All mfg.	9	2	90.6	.0042	43
Owen	All mfg.	2	2	22.8	.0011	100
Pendleton	All mfg.	4	1	25.6	.0012	46
Perry	All mfg.	4		20.0	.0009	0
Pike	All mfg.	6	1	41.5	.0019	43
1211	*Bituminous-coal & lignite mining*	*33*	*9*	*288.5*	*1.7755*	*53*
Powell	All mfg.	5		23.2	.0011	0
Pulaski	All mfg.	19	9	435.8	.0202	75
2311	Men's & boys' suits & coats	1	1	80.9	2.1909	100
Rockcastle	All mfg.	1	1	7.9	.0004	100
Rowan	All mfg.	11	3	56.6	.0026	39
Russell	All mfg.	8	2	64.2	.0030	72
Scott	All mfg.	22	6	188.0	.0087	66
Shelby	All mfg.	19	6	187.1	.0087	65
Simpson	All mfg.	14	9	239.8	.0111	96
Taylor	All mfg.	8	3	181.9	.0084	92
2254	Knit-underwear mills	1	1	146.4	12.7693	100
Todd	All mfg.	9	5	74.2	.0034	68
Trigg	All mfg.	6	2	59.3	.0028	80
Union	All mfg.	7	5	100.4	.0047	94
1211	*Bituminous-coal & lignite mining*	*4*	*3*	*116.6*	*.7176*	*74*
Warren	All mfg.	37	16	1,217.5	.0565	89
2322	Men's & boys' underwear	1	1	33.8	6.6483	100
3592	Carburetors, pistons, rings, & valves	2	2	101.3	5.8779	100
3711	Motor vehicles & passenger-car bodies	1	1	485.0	.5055	100
8062	*General medical & surgical hospitals*	*2*	*2*	*63.8*	*.0353*	*100*
Washington	All mfg.	5	4	77.7	.0036	95
Wayne	All mfg.	12	6	72.6	.0034	79
Webster	All mfg.	6	3	23.4	.0011	78
Whitley	All mfg.	18	11	423.1	.0196	95
Wolfe	All mfg.	1	1	30.2	.0014	100
Woodford	All mfg.	8	5	220.6	.0102	96
STATE TOTAL	All mfg.	1,517	600	33,481.0	1.5527	87

LOUISIANA

County SIC	Industry	Establishments Total	Establishments Large	Shipments/Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
Acadia	All mfg.	23	4	265.1	.0123	11
Allen	All mfg.	8	4	151.1	.0070	81
Ascension	All mfg.	30	16	1,534.6	.0712	92
2869	Industrial organic chemicals n.e.c.	6	6	630.7	1.9774	100
Assumption	All mfg.	5	2	71.8	.0033	52
Avoyelles	All mfg.	11	4	101.5	.0047	76
Beauregard	All mfg.	13	8	334.1	.0155	94
2621	Paper mills, except building paper	3	3	199.2	.9912	100
Bienville	All mfg.	6	5	87.2	.0040	97
Bossier	All mfg.	32	6	245.8	.0114	47
Caddo	All mfg.	115	33	2,384.1	.1106	82
1311	*Crude petroleum & natural gas*	*40*	*1*	*588.3*	*1.6371*	*10*
3229	Pressed & blown glass n.e.c.	1	1	94.7	2.3292	100
3443	Fabricated plate work (boiler shops)	4	3	188.0	1.3833	98
3483	Ammunition, except small-arms, n.e.c.	2	1	38.2	2.5939	96
3661	Telephone & telegraph apparatus	1	1	564.8	2.9677	100
7011	*Hotels, motels, & tourist courts*	*15*	*4*	*35.5*	*.1143*	*46*
8062	*General medical & surgical hospitals*	*10*	*8*	*363.2*	*.2009*	*98*
Calcasieu	All mfg.	52	19	8,772.3	.4068	93
2822	Synthetic rubber	1	1	197.1	3.1600	100
2869	Industrial organic chemicals n.e.c.	4	4	786.2	2.4650	100
2911	Petroleum refining	4	2	7,115.7	5.0754	94
8062	*General medical & surgical hospitals*	*4*	*3*	*63.5*	*.0351*	*96*
Caldwell	All mfg.	2		4.7	.0002	0
Cameron	All mfg.	6	2	60.4	.0028	60
Catahoula	All mfg.	2	2	15.3	.0007	100
Claiborne	All mfg.	6	2	91.2	.0042	45
Concordia	All mfg.	7	1	20.8	.0010	23
De Soto	All mfg.	10	3	110.7	.0051	68
East Baton Rouge	All mfg.	123	31	6,773.6	.3141	93
1629	*Heavy construction n.e.c.*	*4*	*3*	*206.4*	*.7821*	*97*
2819	Industrial inorganic chemicals n.e.c.	2	2	149.6	.8781	100
2822	Synthetic rubber	4	3	717.0	11.4952	96
2911	Petroleum refining	1	1	4,468.2	3.1870	100
4911	*Electric services*	*1*	*1*	*658.8*	*.6023*	*100*
6025	*National banks, federal reserve system*	*5*	*5*	*499.3*	*.3618*	*100*

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship. Recpt.	% In Large Estab.
7011	Hotels, motels, & tourist courts	18	2	38.4	.1236	36
8062	General medical & surgical hospitals	7	7	227.9	.1261	100
8221	Colleges & universities n.e.c.	1	1	101.7	.3810	100
East Carroll	All mfg.	2		4.1	.0002	0
East Feliciana	All mfg.	8		25.7	.0012	0
8062	General medical & surgical hospitals	2	2	205.6	.1138	100
Evangeline	All mfg.	7	2	86.1	.0040	73
Franklin	All mfg.	6		31.5	.0015	0
Grant	All mfg.	3	1	66.0	.0031	41
Iberia	All mfg.	52	14	625.9	.0290	56
Iberville	All mfg.	18	8	1,229.6	.0570	92
2869	Industrial organic chemicals n.e.c.	6	3	1,001.4	3.1397	94
Jackson	All mfg.	3	2	110.3	.0051	98
Jefferson	All mfg.	95	38	1,452.5	.0674	73
1623	Pipe- & utility-line construction	6	2	102.2	1.7205	92
3731	Ship building & repairing	7	3	213.2	2.7133	94
7011	Hotels, motels, & tourist courts	20	3	44.1	.1419	45
8062	General medical & surgical hospitals	6	6	257.7	.1426	100
Jefferson Davis	All mfg.	11	2	177.9	.0083	9
Lafayette	All mfg.	52	15	669.4	.0310	69
7011	Hotels, motels, & tourist courts	12	5	35.4	.1139	75
8062	General medical & surgical hospitals	4	4	121.8	.0674	100
Lafourche	All mfg.	21	7	275.3	.0128	73
La Salle	All mfg.	7	5	133.4	.0062	95
Lincoln	All mfg.	13	4	143.3	.0066	71
1611	Highway & street construction	2	2	127.8	.7389	100
8221	Colleges & universities n.e.c.	1	1	67.8	.2540	100
Livingston	All mfg.	15	4	127.9	.0059	66
Madison	All mfg.	2		6.1	.0003	0
Morehouse	All mfg.	9	4	166.3	.0077	83
2621	Paper mills, except building paper	1	1	109.9	.5469	100
Natchitoches	All mfg.	8	1	105.9	.0049	69
Orleans	All mfg.	219	78	3,736.7	.1733	82
1311	Crude petroleum & natural gas	22	2	645.0	1.7949	40
1629	Heavy construction n.e.c.	9	5	396.7	1.5031	90
2051	Bread, cake, & related products	11	4	113.3	.7113	77
2711	Newspapers	3	1	57.0	.2579	88
3731	Ship building & repairing	10	6	97.9	1.2459	91
3769	Space-vehicle equipment n.e.c.	1	1	478.1	11.9355	100
4911	Electric services	3	3	1,015.1	.9281	100
6025	National banks, federal reserve system	5	4	588.3	.4263	99
7011	Hotels, motels, & tourist courts	45	18	302.2	.9727	85
8062	General medical & surgical hospitals	17	17	903.6	.4999	100
8221	Colleges & universities n.e.c.	8	4	91.8	.3439	91
Ouachita	All mfg.	65	22	1,196.8	.0555	77
2631	Paperboard mills	1	1	184.8	2.2791	100
2651	Folding paperboard boxes	2	1	179.0	4.0942	99
8062	General medical & surgical hospitals	4	4	113.4	.0627	100
8221	Colleges & universities n.e.c.	1	1	58.2	.2180	100
Plaquemines	All mfg.	25	9	1,444.3	.0670	83
Pointe Coupee	All mfg.	3	1	98.3	.0046	29
Rapides	All mfg.	39	11	367.7	.0171	70
8062	General medical & surgical hospitals	7	7	209.9	.1161	100
Red River	All mfg.	3	2	56.9	.0026	87
Richland	All mfg.	4	2	26.4	.0012	53
Sabine	All mfg.	6	5	98.3	.0046	98
St. Bernard	All mfg.	10	6	796.5	.0369	97
St. Charles	All mfg.	18	10	2,958.0	.1372	96
2821	Plastics materials & synthetic resins	2	1	205.3	.9636	86
2911	Petroleum refining	3	2	2,089.1	1.4901	97
St. Helena	All mfg.	1		11.4	.0005	0
St. James	All mfg.	13	9	912.9	.0423	91
2819	Industrial inorganic chemicals n.e.c.	2	2	131.5	.7719	100
St. John the Baptist	All mfg.	10	7	1,196.6	.0555	88
St. Landry	All mfg.	21	4	322.6	.0150	48
St. Martin	All mfg.	12	2	197.8	.0092	49
2254	Knit-underwear mills	1	1	73.2	6.3846	100
St. Mary	All mfg.	45	21	711.6	.0330	89
3441	Fabricated structural metal	2	1	78.3	.3761	81
3533	Oil-field machinery	9	6	321.3	3.5092	97
3731	Ship building & repairing	9	5	107.9	1.3732	92
St. Tammany	All mfg.	22	6	147.7	.0068	51
Tangipahoa	All mfg.	31	7	271.7	.0126	49
Tensas	All mfg.	1		2.5	.0001	0
Terrebonne	All mfg.	30	10	418.3	.0194	81
Union	All mfg.	2		17.1	.0008	0
Vermilion	All mfg.	13	4	154.6	.0072	58
Vernon	All mfg.	5	1	25.8	.0012	48
8062	General medical & surgical hospitals	3	2	64.7	.0358	95
Washington	All mfg.	13	6	290.3	.0135	89
2621	Paper mills, except building paper	1	1	192.8	.9594	100
Webster	All mfg.	22	10	290.3	.0135	54
West Baton Rouge	All mfg.	14	3	306.9	.0142	36
West Carroll	All mfg.	3	2	30.7	.0014	90
West Feliciana	All mfg.	1	1	53.1	.0025	100
2641	Paper coating & glazing	1	1	53.1	.9148	100

1986 S&MM Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship. Recpt.	% In Large Estab.
Winn	All mfg.	9	6	152.8	.0071	91
2421	General sawmills & planing mills	5	4	102.5	1.0104	93
STATE TOTAL	All mfg.	1,443	494	42,756.1	1.9829	84

MAINE

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship. Recpt.	% In Large Estab.
Androscoggin	All mfg.	89	41	821.8	.0381	78
3143	Men's nonathletic footwear	6	6	51.6	1.9977	100
3144	Women's nonathletic footwear	4	3	34.3	1.6902	95
8062	General medical & surgical hospitals	2	2	67.3	.0372	100
Aroostook	All mfg.	42	15	783.8	.0363	81
2037	Frozen fruits & vegetables	2	2	178.2	2.3750	100
2621	Paper mills, except building paper	1	1	148.3	.7379	100
8062	General medical & surgical hospitals	6	4	71.8	.0397	90
Cumberland	All mfg.	148	55	1,968.4	.0913	80
2621	Paper mills, except building paper	2	2	175.7	.8743	100
3143	Men's nonathletic footwear	4	4	101.7	3.9373	100
3674	Semiconductors & related devices	2	2	374.0	3.4191	100
6025	National banks, federal reserve system	4	4	187.4	.1358	100
8062	General medical & surgical hospitals	8	7	336.2	.1860	99
8221	Colleges & universities n.e.c.	3	3	48.8	.1828	100
Franklin	All mfg.	25	10	319.8	.0148	86
2621	Paper mills, except building paper	2	2	136.5	.6792	100
3149	Nonrubber footwear n.e.c.	4	2	43.0	2.2254	90
Hancock	All mfg.	27	10	339.4	.0157	79
2621	Paper mills, except building paper	1	1	133.3	.6633	100
Kennebec	All mfg.	46	19	799.8	.0371	82
2231	Wool-fabric weaving & finishing mills	4	4	72.8	4.5585	100
2621	Paper mills, except building paper	1	1	94.8	.4717	100
8062	General medical & surgical hospitals	5	5	152.2	.0842	100
Knox	All mfg.	32	12	347.8	.0161	75
Lincoln	All mfg.	12	5	118.6	.0055	68
4912	Nuclear power	1	1	128.1	.4555	100
Oxford	All mfg.	41	19	790.9	.0367	91
2499	Wood products n.e.c.	14	8	114.5	2.5477	80
2621	Paper mills, except building paper	1	1	421.2	2.0959	100
Penobscot	All mfg.	66	24	1,032.7	.0479	81
2611	Pulp mills	2	2	221.4	4.7220	100
2621	Paper mills, except building paper	2	2	165.5	.8235	100
3143	Men's nonathletic footwear	1	1	72.2	2.7952	100
8062	General medical & surgical hospitals	6	5	123.9	.0685	99
Piscataquis	All mfg.	11	4	112.8	.0052	73
Sagadahoc	All mfg.	10	6	436.4	.0202	97
3731	Ship building & repairing	1	1	346.9	4.4148	100
Somerset	All mfg.	24	9	420.1	.0195	84
3149	Nonrubber footwear n.e.c.	1	1	121.1	6.2675	100
Waldo	All mfg.	12	7	148.3	.0069	75
Washington	All mfg.	21	9	452.0	.0210	87
2621	Paper mills, except building paper	1	1	167.1	.8315	100
York	All mfg.	76	35	1,172.4	.0544	85
3079	Miscellaneous plastics products	8	4	83.4	.3501	88
3484	Small arms	1	1	76.2	5.4526	100
3675	Electronic capacitors	2	2	60.1	3.8307	100
3724	Aircraft engines & engine parts	1	1	69.3	.7709	100
8062	General medical & surgical hospitals	3	3	57.8	.0320	100
STATE TOTAL	All mfg.	682	280	10,065.0	.4668	83

MARYLAND

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship. Recpt.	% In Large Estab.
Allegany	All mfg.	32	11	725.5	.0336	87
2621	Paper mills, except building paper	1	1	225.2	1.1206	100
3011	Tires & inner tubes	1	1	144.7	1.9886	100
8062	General medical & surgical hospitals	3	3	115.8	.0641	100
Anne Arundel	All mfg.	74	21	806.2	.0374	71
3662	Radio & TV communication equipment	2	1	143.7	.4258	98
8062	General medical & surgical hospitals	7	7	205.2	.1135	100
Baltimore	All mfg.	192	84	5,188.0	.2406	89
2654	Sanitary food containers	2	1	252.5	9.9582	97
3079	Miscellaneous plastics products	11	6	74.2	.3115	83
3489	Ordnance & accessories n.e.c.	1	1	63.0	3.1842	100
3662	Radio & TV communication equipment	7	7	2,033.7	6.0255	100
3825	Electricity-measuring instruments	2	2	198.1	3.5566	100
5084	Industrial-machinery distributors	3	1	160.9	.9451	93
7372	Computer programming & software	6	4	101.6	.8890	93
8062	General medical & surgical hospitals	8	7	317.7	.1758	99
Baltimore city	All mfg.	537	164	9,579.2	.4443	82
1629	Heavy construction n.e.c.	11	4	195.6	.7411	78
2013	Sausages & other prepared meats	9	3	173.2	1.2387	78
2026	Fluid milk	3	3	276.6	1.4047	100
2051	Bread, cake, & related products	8	4	299.4	1.8798	94
2099	Food preparations n.e.c.	5	4	166.2	1.4198	93
2311	Men's & boys' suits & coats	12	8	86.1	2.3318	93
2651	Folding paperboard boxes	8	5	127.4	2.9140	89
2711	Newspapers	8	3	156.6	.7085	94
2751	Letterpress commercial printing	25	3	51.1	.5461	25

1986 S&MM Est

MARYLAND (Baltimore City, cont.)

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
2819	Industrial inorganic chemicals n.e.c.	7	5	302.7	1.7768	94
2841	Soap & other detergents	3	3	438.0	5.0659	100
2851	Paints & allied products	13	5	150.6	1.3457	64
3079	Miscellaneous plastics products	15	4	67.6	.2837	65
3221	Glass containers	3	2	90.9	2.1250	96
3272	Concrete products n.e.c.	5	2	44.7	1.0618	81
3312	Blast furnaces & steel mills	2	2	1,181.3	3.9919	100
3317	Steel pipe & tubes	2	1	389.4	5.9651	99
3441	Fabricated structural metal	8	2	199.8	.9597	78
3661	Telephone & telegraph apparatus	1	1	189.1	.9936	100
3693	X-ray apparatus & tubes	2	1	188.5	3.5569	98
3713	Truck & bus bodies	4	3	580.0	6.3306	100
4011	*Line-haul-operating railroads*	*1*	*1*	*207.3*	*.8379*	*100*
4931	*Electric & other services combined*	*1*	*1*	*1,623.4*	*5.4891*	*100*
6025	*National banks, federal reserve system*	*4*	*3*	*1,354.8*	*.9817*	*100*
7011	*Hotels, motels, & tourist courts*	*25*	*6*	*113.3*	*.3647*	*48*
8062	*General medical & surgical hospitals*	*25*	*25*	*1,211.6*	*.6703*	*100*
8221	*Colleges & universities n.e.c.*	*8*	*7*	*126.3*	*.4732*	*98*
Calvert	**All mfg.**	**7**		**20.5**	**.0010**	**0**
Caroline	**All mfg.**	**15**	**5**	**150.5**	**.0070**	**54**
Carroll	**All mfg.**	**46**	**20**	**574.5**	**.0266**	**75**
3546	Power-driven hand tools	1	1	63.8	4.9346	100
8062	*General medical & surgical hospitals*	*2*	*2*	*120.9*	*.0669*	*100*
Cecil	**All mfg.**	**26**	**7**	**218.3**	**.0101**	**54**
8062	*General medical & surgical hospitals*	*2*	*2*	*87.7*	*.0485*	*100*
Charles	**All mfg.**	**10**	**2**	**77.5**	**.0036**	**45**
Dorchester	**All mfg.**	**35**	**9**	**447.3**	**.0207**	**67**
3613	Switchgear & switchboard apparatus	1	1	106.5	2.1323	100
Frederick	**All mfg.**	**60**	**25**	**811.9**	**.0377**	**77**
2311	Men's & boys' suits & coats	2	2	50.4	1.3649	100
Garrett	**All mfg.**	**11**	**5**	**81.4**	**.0038**	**58**
Harford	**All mfg.**	**32**	**12**	**334.4**	**.0155**	**69**
Howard	**All mfg.**	**39**	**13**	**572.1**	**.0265**	**84**
3631	Household cooking equipment	1	1	211.4	7.2619	100
Kent	**All mfg.**	**11**	**2**	**85.0**	**.0039**	**48**
Montgomery	**All mfg.**	**146**	**39**	**1,809.7**	**.0839**	**78**
1629	*Heavy construction n.e.c.*	*4*	*2*	*719.2*	*2.7251*	*97*
2752	Lithographic commercial printing	12	4	133.3	1.0314	74
3489	Ordnance & accessories n.e.c.	1	1	230.4	11.6452	100
3573	Electronic computing equipment	13	4	320.8	.6213	87
3662	Radio & TV communication equipment	14	8	439.9	1.3033	95
7011	*Hotels, motels, & tourist courts*	*14*	*2*	*68.6*	*.2208*	*63*
7374	*Data-processing services*	*20*	*9*	*316.3*	*3.9355*	*94*
8062	*General medical & surgical hospitals*	*5*	*5*	*299.0*	*.1654*	*100*
Prince George's	**All mfg.**	**149**	**45**	**1,832.0**	**.0850**	**73**
3662	Radio & TV communication equipment	7	2	180.0	.5333	85
3679	Electronic components n.e.c.	3	1	70.1	.3584	93
6025	*National banks, federal reserve system*	*4*	*3*	*464.2*	*.3364*	*98*
8062	*General medical & surgical hospitals*	*5*	*4*	*278.5*	*.1541*	*99*
Queen Anne's	**All mfg.**	**9**		**47.1**	**.0022**	**0**
St. Mary's	**All mfg.**	**2**		**11.8**	**.0005**	**0**
Somerset	**All mfg.**	**17**	**4**	**133.1**	**.0062**	**50**
Talbot	**All mfg.**	**29**	**11**	**335.6**	**.0156**	**72**
3524	Lawn & garden equipment	1	1	60.4	3.4821	100
Washington	**All mfg.**	**71**	**24**	**1,155.7**	**.0536**	**85**
3519	Internal-combustion engines n.e.c.	1	1	350.9	3.5378	100
3721	Aircraft	1	1	97.5	.3371	100
8062	*General medical & surgical hospitals*	*3*	*3*	*86.1*	*.0476*	*100*
Wicomico	**All mfg.**	**46**	**19**	**768.5**	**.0356**	**81**
2048	Prepared feeds n.e.c.	1	1	243.0	2.1530	100
5063	*Electrical-power-equipment wholesalers*	*2*	*1*	*189.2*	*1.5001*	*99*
8062	*General medical & surgical hospitals*	*2*	*2*	*72.9*	*.0403*	*100*
Worcester	**All mfg.**	**21**	**7**	**266.1**	**.0123**	**80**
STATE TOTAL	**All mfg.**	**1,617**	**529**	**26,031.9**	**1.2073**	**81**

MASSACHUSETTS

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Barnstable	**All mfg.**	**34**	**9**	**281.8**	**.0131**	**71**
7011	*Hotels, motels, & tourist courts*	*50*	*12*	*110.2*	*.3547*	*58*
8062	*General medical & surgical hospitals*	*3*	*3*	*101.2*	*.0560*	*100*
Berkshire	**All mfg.**	**83**	**30**	**1,365.7**	**.0633**	**85**
2621	Paper mills, except building paper	7	4	189.7	.9439	88
3489	Ordnance & accessories n.e.c.	1	1	97.0	4.9027	100
3612	Transformers	1	1	109.1	3.8628	100
3769	Space-vehicle equipment n.e.c.	1	1	204.8	5.1127	100
3811	Engineering & scientific instruments	1	1	42.4	1.0906	100
8062	*General medical & surgical hospitals*	*5*	*5*	*117.6*	*.0651*	*100*
8221	*Colleges & universities n.e.c.*	*3*	*2*	*52.0*	*.1948*	*91*
Bristol	**All mfg.**	**438**	**196**	**5,336.2**	**.2475**	**80**
2211	Cotton-weaving mills	2	2	73.0	1.4961	100
2311	Men's & boys' suits & coats	5	5	288.5	7.8131	100
2329	Men's & boys' clothing n.e.c.	7	7	63.5	3.5803	100
2335	Women's & misses' dresses	19	14	128.0	3.6590	89
2337	Women's & misses' suits & coats	6	4	100.8	2.7937	85
2341	Women's & children's underwear	10	6	55.6	2.1110	87
2391	Curtains & draperies	13	7	103.9	10.8512	71
3069	Fabricated rubber products n.e.c.	5	2	71.2	1.3232	89
3483	Ammunition, except small-arms, n.e.c.	1	1	44.0	2.9877	100
3622	Industrial controls	1	1	221.2	4.2256	100
3679	Electronic components n.e.c.	15	10	254.7	1.3021	93
3911	Precious-metal jewelry	25	10	370.0	9.0722	85
3914	Silverware & plated & stainless ware	7	4	130.3	23.8601	95
3949	Sporting & athletic goods n.e.c.	1	1	86.3	2.1242	100
8062	*General medical & surgical hospitals*	*10*	*10*	*479.8*	*.2655*	*100*
8221	*Colleges & universities n.e.c.*	*4*	*2*	*61.1*	*.2289*	*91*
Dukes	**All mfg.**	**4**		**5.4**	**.0003**	**0**
Essex	**All mfg.**	**530**	**170**	**7,826.9**	**.3630**	**81**
2092	Fresh or frozen packaged seafoods	6	2	122.3	4.3841	80
2221	Synthetics- & silk-weaving mills	1	1	137.1	2.3324	100
2329	Men's & boys' clothing n.e.c.	5	3	33.3	1.8775	83
2711	Newspapers	14	6	95.0	.4298	73
3079	Miscellaneous plastics products	19	6	94.3	.3958	73
3111	Leather tanning & finishing	33	6	221.1	10.8643	39
3144	Women's nonathletic footwear	6	4	195.1	9.6137	98
3494	Valves & pipe fittings	3	2	166.2	1.4658	96
3511	Turbines & turbine-generator set units	1	1	232.8	8.3423	100
3559	Special-industry machinery n.e.c.	13	2	139.2	1.5543	72
3573	Electronic computing equipment	4	3	195.8	.3792	99
3599	Machinery, except electrical, n.e.c.	21	5	80.2	.7007	56
3613	Switchgear & switchboard apparatus	2	2	90.2	1.8059	100
3641	Electric lamps	2	2	185.5	7.3468	100
3661	Telephone & telegraph apparatus	3	1	1,358.1	7.1360	99
3662	Radio & TV communication equipment	7	4	117.1	.3469	94
3674	Semiconductors & related devices	8	6	138.8	1.2689	96
3679	Electronic components n.e.c.	26	7	276.3	1.4125	81
3724	Aircraft engines & engine parts	3	2	748.9	8.3308	99
3825	Electricity-measuring instruments	7	6	79.2	1.4219	98
6025	*National banks, federal reserve system*	*14*	*2*	*232.4*	*.1684*	*65*
7011	*Hotels, motels, & tourist courts*	*14*	*4*	*55.0*	*.1770*	*62*
8062	*General medical & surgical hospitals*	*19*	*16*	*637.8*	*.3529*	*98*
Franklin	**All mfg.**	**50**	**18**	**422.4**	**.0196**	**75**
Hampden	**All mfg.**	**355**	**125**	**5,062.2**	**.2348**	**83**
2621	Paper mills, except building paper	6	6	104.4	.5195	100
2711	Newspapers	5	2	96.1	.4348	90
2782	Blankbooks & looseleaf binders	7	3	95.1	5.0195	83
2821	Plastics materials & synthetic resins	2	2	535.3	2.5125	100
3079	Miscellaneous plastics products	21	7	184.1	.7728	80
3484	Small arms	3	2	248.0	17.7460	97
3545	Machine-tool accessories	14	4	56.4	1.7135	53
3573	Electronic computing equipment	3	3	476.4	.9226	100
3761	Guided missiles & space vehicles	1	1	159.2	1.2052	100
3944	Games, toys, & children's vehicles	3	1	470.1	6.5768	97
3949	Sporting & athletic goods n.e.c.	3	1	82.5	2.0306	94
4911	*Electric services*	*4*	*3*	*413.7*	*.3782*	*96*
7011	*Hotels, motels, & tourist courts*	*14*	*3*	*63.2*	*.2034*	*71*
8062	*General medical & surgical hospitals*	*11*	*11*	*485.3*	*.2685*	*100*
8221	*Colleges & universities n.e.c.*	*4*	*3*	*71.1*	*.2664*	*99*
Hampshire	**All mfg.**	**63**	**30**	**888.4**	**.0412**	**82**
2641	Paper coating & glazing	3	3	102.9	1.7728	100
2649	Converted paper products n.e.c.	2	1	60.4	1.2656	87
3079	Miscellaneous plastics products	5	3	74.9	.3144	96
3991	Brooms & brushes	3	3	72.6	6.2543	100
8062	*General medical & surgical hospitals*	*6*	*6*	*211.1*	*.1168*	*100*
8221	*Colleges & universities n.e.c.*	*5*	*5*	*350.0*	*1.3113*	*100*
Middlesex	**All mfg.**	**1,177**	**404**	**19,485.2**	**.9037**	**79**
1611	*Highway & street construction*	*7*	*2*	*160.8*	*.9297*	*84*
1629	*Heavy construction n.e.c.*	*4*	*3*	*202.9*	*.7688*	*98*
2024	Ice cream & frozen desserts	3	1	215.2	4.3722	95
2051	Bread, cake, & related products	9	3	70.6	.4433	76
2065	Confectionery products	7	4	149.6	1.9035	90
2099	Food preparations n.e.c.	9	4	141.6	1.2097	73
2295	Coated fabrics, not rubberized	6	3	158.8	9.0510	92
2297	Nonwoven fabrics	3	3	117.3	15.6275	100
2649	Converted paper products n.e.c.	4	3	220.5	4.6202	96
2711	Newspapers	21	6	152.8	.6913	74
2721	Periodicals	8	2	135.7	1.1099	73
2731	Book publishing	11	6	221.4	2.2556	90
2732	Book printing	3	3	114.1	2.7091	100
2751	Letterpress commercial printing	28	9	92.3	.9865	69

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship/ Recpt.	% In Large Estab.
2752	Lithographic commercial printing	13	5	110.8	.8573	71
3079	Miscellaneous plastics products	40	13	191.2	.8026	71
3144	Women's nonathletic footwear	3	3	40.2	1.9809	100
3444	Sheet-metal work	20	4	110.9	.9358	42
3469	Metal stampings n.e.c.	21	7	183.4	1.5704	75
3555	Printing-trades machinery	7	2	182.7	8.0118	94
3559	Special-industry machinery n.e.c.	17	9	229.3	2.5603	90
3569	General industrial machinery n.e.c.	15	4	215.8	3.8038	82
3573	Electronic computing equipment	62	35	3,473.3	6.7267	96
3599	Machinery, except electrical, n.e.c.	28	2	72.5	.6335	26
3643	Current-carrying wiring devices	7	6	37.3	1.3708	97
3662	Radio & TV communication equipment	37	16	680.6	2.0165	88
3674	Semiconductors & related devices	24	14	448.1	4.0965	94
3679	Electronic components n.e.c.	65	27	466.1	2.3828	78
3693	X-ray apparatus & tubes	8	1	326.0	6.1514	84
3711	Motor vehicles & passenger-car bodies	2	1	1,230.8	1.2829	99
3724	Aircraft engines & engine parts	2	2	163.0	1.8132	100
3761	Guided missiles & space vehicles	3	3	396.8	3.0039	100
3811	Engineering & scientific instruments	27	12	200.9	5.1677	85
3822	Environmental controls	6	4	84.8	4.9151	95
3825	Electricity-measuring instruments	13	6	246.1	4.4184	92
3829	Measuring & controlling devices n.e.c.	19	5	131.4	4.9350	63
3832	Optical instruments & lenses	16	7	288.6	6.5405	82
3841	Surgical & medical instruments	24	9	181.8	3.5925	75
3861	Photographic equipment & supplies	5	3	552.9	4.8692	97
4911	*Electric services*	*11*	*4*	*326.0*	*.2981*	*79*
5063	*Electrical-power-equipment wholesalers*	*21*	*4*	*187.6*	*1.4874*	*37*
5081	*Commercial-equipment wholesalers*	*32*	*7*	*184.7*	*3.0357*	*70*
5084	*Industrial-machinery distributors*	*36*	*4*	*459.0*	*2.6960*	*65*
5085	*Industrial-supply distributors*	*35*	*2*	*204.0*	*1.0288*	*17*
6025	*National banks, federal reserve system*	*13*	*6*	*387.4*	*.2807*	*81*
7011	*Hotels, motels, & tourist courts*	*43*	*12*	*175.3*	*.5642*	*73*
7372	*Computer programming & software*	*54*	*13*	*750.8*	*6.5693*	*78*
7374	*Data-processing services*	*32*	*11*	*205.8*	*2.5606*	*68*
8062	*General medical & surgical hospitals*	*35*	*34*	*1,593.4*	*.8816*	*100*
8221	*Colleges & universities n.e.c.*	*9*	*5*	*507.6*	*1.9017*	*99*
Norfolk	**All mfg.**	**398**	**133**	**4,892.5**	**.2269**	**79**
2751	Letterpress commercial printing	16	5	47.6	.5087	70
3069	Fabricated rubber products n.e.c.	6	4	96.6	1.7952	97
3494	Valves & pipe fittings	6	2	149.2	1.3159	88
3662	Radio & TV communication equipment	12	7	704.7	2.0879	97
3679	Electronic components n.e.c.	14	7	137.4	.7024	87
3731	Ship building & repairing	2	1	247.9	3.1549	96
3811	Engineering & scientific instruments	9	4	143.0	3.6784	94
3841	Surgical & medical instruments	10	5	98.7	1.9504	86
7011	*Hotels, motels, & tourist courts*	*16*	*4*	*56.2*	*.1809*	*60*
8062	*General medical & surgical hospitals*	*19*	*17*	*499.9*	*.2766*	*98*
Plymouth	**All mfg.**	**228**	**58**	**1,559.2**	**.0723**	**63**
2711	Newspapers	4	3	68.0	.3076	97
8062	*General medical & surgical hospitals*	*9*	*9*	*310.7*	*.1719*	*100*
Suffolk	**All mfg.**	**512**	**154**	**5,391.5**	**.2500**	**73**
1629	*Heavy construction n.e.c.*	*7*	*3*	*211.2*	*.8003*	*91*
2013	Sausages & other prepared meats	8	5	239.4	1.7121	87
2092	Fresh or frozen packaged seafoods	3	1	115.1	4.1260	93
2328	Men's & boys' work clothing	1	1	44.9	1.2618	100
2337	Women's & misses' suits & coats	12	3	101.6	2.8159	46
2339	Women's & misses' outerwear n.e.c.	10	5	31.5	1.0275	77
2711	Newspapers	11	4	365.3	1.6526	96
2731	Book publishing	12	4	267.1	2.7212	85
2751	Letterpress commercial printing	32	5	76.6	.8187	47
2752	Lithographic commercial printing	18	2	110.1	.8519	29
3149	Nonrubber footwear n.e.c.	4	4	144.2	7.4630	100
3573	Electronic computing equipment	10	4	292.6	.5667	92
3671	Electron tubes	1	1	100.9	5.9318	100
3825	Electricity-measuring instruments	2	1	211.6	3.7990	98
4911	*Electric services*	*4*	*2*	*911.2*	*.8331*	*97*
6025	*National banks, federal reserve system*	*5*	*3*	*1,159.2*	*.8400*	*98*
7011	*Hotels, motels, & tourist courts*	*39*	*17*	*290.8*	*.9360*	*87*
7372	*Computer programming & software*	*8*	*3*	*249.2*	*2.1804*	*93*
8062	*General medical & surgical hospitals*	*32*	*32*	*2,120.7*	*1.1733*	*100*
8221	*Colleges & universities n.e.c.*	*22*	*14*	*525.4*	*1.9684*	*97*
Worcester	**All mfg.**	**637**	**200**	**7,083.3**	**.3285**	**75**
2231	Wool-fabric weaving & finishing mills	5	4	69.4	4.3456	94
2241	Narrow-fabric mills	2	1	15.5	1.4844	92
2396	Automotive & apparel trimmings	1	1	33.0	2.3085	100
2511	Wood household furniture	20	10	149.1	2.0587	79
2512	Upholstered wood household furniture	11	4	63.2	1.2559	66
2711	Newspapers	6	1	68.8	.3113	79
2751	Letterpress commercial printing	12	3	122.6	1.3103	89
3079	Miscellaneous plastics products	63	26	348.5	1.4628	75
3291	Abrasive products	4	3	460.9	15.2032	98
3357	Nonferrous-wire drawing & insulating	9	4	137.8	1.9590	77
3423	Hand & edge tools n.e.c.	9	4	146.7	4.4127	85
3469	Metal stampings n.e.c.	12	2	78.3	.6705	54
3494	Valves & pipe fittings	8	3	157.8	1.3917	84
3511	Turbines & turbine-generator set units	3	2	91.9	3.2932	96
3541	Metal-cutting machine tools	12	6	130.8	3.0014	83
3544	Special dies, tools, jigs, & fixtures	21	2	63.2	1.0988	38
3545	Machine-tool accessories	7	5	125.2	3.8036	97
3573	Electronic computing equipment	3	2	428.8	.8304	99
3662	Radio & TV communication equipment	4	3	112.6	.3336	95
3679	Electronic components n.e.c.	10	4	127.5	.6518	86
3832	Optical instruments & lenses	9	2	226.0	5.1218	82
3851	Ophthalmic goods	4	3	37.6	4.1070	94
4911	*Electric services*	*4*	*4*	*1,094.9*	*1.0010*	*100*
6025	*National banks, federal reserve system*	*11*	*4*	*373.3*	*.2705*	*88*
7011	*Hotels, motels, & tourist courts*	*15*	*3*	*36.5*	*.1175*	*47*
7372	*Computer programming & software*	*4*	*2*	*65.1*	*.5696*	*90*
8062	*General medical & surgical hospitals*	*22*	*20*	*647.3*	*.3581*	*99*
8221	*Colleges & universities n.e.c.*	*7*	*5*	*106.1*	*.3975*	*97*
STATE TOTAL	**All mfg.**	**4,509**	**1,527**	**59,600.7**	**2.7641**	**78**

MICHIGAN

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship/ Recpt.	% In Large Estab.
Alcona	**All mfg.**	**4**		**13.6**	**.0006**	**0**
Alger	**All mfg.**	**4**	**3**	**63.5**	**.0029**	**95**
Allegan	**All mfg.**	**62**	**20**	**883.2**	**.0410**	**80**
Alpena	**All mfg.**	**23**	**9**	**340.9**	**.0158**	**83**
Antrim	**All mfg.**	**16**	**6**	**90.4**	**.0042**	**71**
Arenac	**All mfg.**	**11**	**2**	**66.0**	**.0031**	**65**
Baraga	**All mfg.**	**7**	**2**	**42.9**	**.0020**	**75**
Barry	**All mfg.**	**20**	**11**	**298.4**	**.0138**	**93**
Bay	**All mfg.**	**63**	**19**	**863.4**	**.0400**	**75**
3714	Motor-vehicle parts & accessories	2	2	244.9	.6405	100
8062	*General medical & surgical hospitals*	*2*	*2*	*69.9*	*.0387*	*100*
Benzie	**All mfg.**	**8**	**4**	**65.0**	**.0030**	**86**
Berrien	**All mfg.**	**192**	**57**	**2,076.2**	**.0963**	**72**
3079	Miscellaneous plastics products	11	2	55.2	.2317	57
3361	Aluminum foundries	12	4	74.9	2.4916	67
3599	Machinery, except electrical, n.e.c.	7	1	56.9	.4972	70
3633	Household laundry equipment	1	1	228.0	11.6547	100
3651	Radio & TV receiving sets	3	3	113.8	1.5533	100
3679	Electronic components n.e.c.	3	1	99.9	.5107	97
3714	Motor-vehicle parts & accessories	3	3	88.0	.2301	100
5065	*Electronic-parts wholesalers*	*1*	*1*	*228.2*	*2.3396*	*100*
8062	*General medical & surgical hospitals*	*4*	*3*	*62.0*	*.0343*	*93*
Branch	**All mfg.**	**45**	**16**	**435.6**	**.0202**	**75**
Calhoun	**All mfg.**	**92**	**37**	**2,386.2**	**.1107**	**88**
2043	Cereal breakfast foods	3	3	1,321.6	33.6937	100
3714	Motor-vehicle parts & accessories	5	3	263.8	.6899	95
8062	*General medical & surgical hospitals*	*7*	*7*	*214.4*	*.1186*	*100*
Cass	**All mfg.**	**39**	**8**	**271.4**	**.0126**	**66**
3369	Nonferrous foundries n.e.c.	2	2	66.4	3.7375	100
Charlevoix	**All mfg.**	**27**	**9**	**229.6**	**.0106**	**68**
Cheboygan	**All mfg.**	**9**	**1**	**35.1**	**.0016**	**17**
Chippewa	**All mfg.**	**8**	**2**	**37.5**	**.0017**	**44**
Clare	**All mfg.**	**11**	**1**	**57.4**	**.0027**	**19**
Clinton	**All mfg.**	**15**	**6**	**290.3**	**.0135**	**83**
Crawford	**All mfg.**	**6**		**15.5**	**.0007**	**0**
Delta	**All mfg.**	**24**	**2**	**202.4**	**.0094**	**61**
Dickinson	**All mfg.**	**26**	**8**	**210.7**	**.0098**	**73**
Eaton	**All mfg.**	**36**	**8**	**348.1**	**.0161**	**57**
Emmet	**All mfg.**	**16**	**1**	**85.2**	**.0040**	**25**
Genesee	**All mfg.**	**131**	**33**	**14,168.4**	**.6571**	**97**
3465	Automotive stampings	1	1	420.4	4.7151	100
3694	Engine electrical equipment	1	1	885.7	16.5830	100
3711	Motor vehicles & passenger-car bodies	4	4	11,576.9	12.0670	100
3714	Motor-vehicle parts & accessories	3	3	492.3	1.2875	100
8062	*General medical & surgical hospitals*	*7*	*7*	*365.4*	*.2022*	*100*
Gladwin	**All mfg.**	**10**	**2**	**60.4**	**.0028**	**39**
Gogebic	**All mfg.**	**8**	**1**	**42.8**	**.0020**	**51**
Grand Traverse	**All mfg.**	**46**	**9**	**459.6**	**.0213**	**70**
8062	*General medical & surgical hospitals*	*3*	*3*	*90.4*	*.0500*	*100*
Gratiot	**All mfg.**	**23**	**7**	**1,029.5**	**.0477**	**92**
3079	Miscellaneous plastics products	4	3	128.2	.5381	98
Hillsdale	**All mfg.**	**48**	**20**	**487.3**	**.0226**	**67**
Houghton	**All mfg.**	**17**	**2**	**63.2**	**.0029**	**22**
8221	*Colleges & universities n.e.c.*	*1*	*1*	*63.5*	*.2379*	*100*
Huron	**All mfg.**	**31**	**5**	**346.4**	**.0161**	**68**
3465	Automotive stampings	3	2	123.6	1.3863	94
Ingham	**All mfg.**	**112**	**30**	**10,058.5**	**.4665**	**96**
1611	*Highway & street construction*	*4*	*3*	*113.2*	*.6545*	*99*
3462	Iron & steel forgings	6	5	414.9	7.8028	98
3711	Motor vehicles & passenger-car bodies	3	3	8,793.2	9.1654	100
6025	*National banks, federal reserve system*	*4*	*1*	*375.9*	*.2724*	*92*
8062	*General medical & surgical hospitals*	*6*	*5*	*240.4*	*.1330*	*99*
Ionia	**All mfg.**	**42**	**12**	**431.0**	**.0200**	**67**
Iosco	**All mfg.**	**19**	**3**	**98.8**	**.0046**	**48**
Iron	**All mfg.**	**7**	**1**	**94.6**	**.0044**	**84**
Isabella	**All mfg.**	**16**	**7**	**191.3**	**.0089**	**83**

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship Recpt	% In Large Estab.
MICHIGAN (cont.)						
Jackson	**All mfg.**	**146**	**35**	**1,325.7**	**.0615**	**74**
3011	Tires & inner tubes	1	1	122.5	1.6835	100
3069	Fabricated rubber products n.e.c.	2	1	59.3	1.1020	97
3714	Motor-vehicle parts & accessories	12	7	384.5	1.0056	94
8062	*General medical & surgical hospitals*	*2*	*2*	*84.9*	*.0470*	*100*
Kalamazoo	**All mfg.**	**181**	**58**	**2,936.9**	**.1362**	**76**
2621	Paper mills, except building paper	5	4	283.2	1.4092	95
2834	Pharmaceutical preparations	2	1	450.3	2.1101	98
3079	Miscellaneous plastics products	13	3	60.3	.2531	59
3465	Automotive stampings	1	1	305.7	3.4287	100
8062	*General medical & surgical hospitals*	*5*	*4*	*250.7*	*.1387*	*98*
8221	*Colleges & universities n.e.c.*	*2*	*2*	*71.7*	*.2686*	*100*
Kalkaska	**All mfg.**	**7**	**2**	**41.6**	**.0019**	**40**
Kent	**All mfg.**	**542**	**147**	**6,926.3**	**.3212**	**78**
2051	Bread, cake, & related products	9	4	111.7	.7013	90
2052	Cookies & crackers	4	3	132.0	2.8668	96
2396	Automotive & apparel trimmings	3	2	303.9	21.2592	99
2511	Wood household furniture	12	5	99.8	1.3780	81
2521	Wood office furniture	4	2	397.8	16.9580	98
2522	Metal office furniture	4	4	651.9	19.3949	100
2531	Public-building & related furniture	3	2	75.7	4.6893	83
2841	Soap & other detergents	2	1	361.3	4.1788	99
3069	Fabricated rubber products n.e.c.	3	3	58.2	1.0816	100
3079	Miscellaneous plastics products	21	4	89.7	.3765	55
3429	Hardware n.e.c.	10	5	454.1	5.0059	96
3471	Plating & polishing	21	5	63.6	2.6099	48
3544	Special dies, tools, jigs, & fixtures	34	2	103.3	1.7959	24
3592	Carburetors, pistons, rings, & valves	1	1	150.1	8.7095	100
3631	Household cooking equipment	1	1	123.4	4.2389	100
3662	Radio & TV communication equipment	4	3	187.3	.5549	97
3714	Motor-vehicle parts & accessories	10	6	186.3	.4872	86
6025	*National banks, federal reserve system*	*3*	*2*	*212.4*	*.1539*	*100*
7011	*Hotels, motels, & tourist courts*	*15*	*3*	*65.4*	*.2105*	*82*
8062	*General medical & surgical hospitals*	*8*	*7*	*349.8*	*.1935*	*98*
Keweenaw	**All mfg.**	**1**		**4.8**	**.0002**	**0**
Lake	**All mfg.**	**1**		**3.6**	**.0002**	**0**
Lapeer	**All mfg.**	**35**	**11**	**266.7**	**.0124**	**67**
Leelanau	**All mfg.**	**6**	**1**	**29.3**	**.0014**	**44**
Lenawee	**All mfg.**	**89**	**34**	**1,324.3**	**.0614**	**79**
3585	Refrigeration & heating equipment	4	3	230.4	1.4809	85
3714	Motor-vehicle parts & accessories	6	4	194.9	.5097	96
8062	*General medical & surgical hospitals*	*5*	*2*	*61.6*	*.0341*	*82*
Livingston	**All mfg.**	**64**	**12**	**673.1**	**.0312**	**64**
Luce	**All mfg.**	**1**	**1**	**28.2**	**.0013**	**100**
Mackinac	**All mfg.**	**3**		**4.0**	**.0002**	**0**
Macomb	**All mfg.**	**790**	**161**	**10,856.7**	**.5035**	**80**
2399	Fabricated textile products n.e.c.	5	4	92.3	5.2289	94
3079	Miscellaneous plastics products	47	15	274.0	1.1501	73
3452	Bolts, nuts, rivets, & washers	15	5	135.6	3.5097	74
3465	Automotive stampings	22	9	1,138.9	12.7737	96
3469	Metal stampings n.e.c.	27	3	100.4	.8597	29
3523	Farm machinery & equipment	1	1	257.0	2.5820	100
3541	Metal-cutting machine tools	28	7	172.6	3.9606	72
3544	Special dies, tools, jigs, & fixtures	113	13	358.6	6.2345	48
3545	Machine-tool accessories	35	4	156.9	4.7667	55
3559	Special-industry machinery n.e.c.	6	2	142.1	1.5866	87
3599	Machinery, except electrical, n.e.c.	51	5	180.3	1.5754	40
3711	Motor vehicles & passenger-car bodies	6	3	2,126.0	2.2160	99
3713	Truck & bus bodies	6	2	520.4	5.6800	97
3714	Motor-vehicle parts & accessories	30	16	1,271.5	3.3253	95
3795	Tanks & tank components	4	2	891.8	51.3325	98
8062	*General medical & surgical hospitals*	*7*	*6*	*206.7*	*.1144*	*98*
Manistee	**All mfg.**	**14**	**6**	**194.1**	**.0090**	**79**
Marquette	**All mfg.**	**12**	**4**	**55.6**	**.0026**	**62**
1011	*Iron-ore mining*	*7*	*4*	*254.3*	*16.4542*	*90*
8062	*General medical & surgical hospitals*	*3*	*3*	*70.2*	*.0388*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*48.5*	*.1817*	*100*
Mason	**All mfg.**	**26**	**9**	**249.9**	**.0116**	**69**
Mecosta	**All mfg.**	**14**	**4**	**132.3**	**.0061**	**76**
8221	*Colleges & universities n.e.c.*	*1*	*1*	*58.2*	*.2180*	*100*
Menominee	**All mfg.**	**35**	**8**	**327.6**	**.0153**	**70**
Midland	**All mfg.**	**23**	**10**	**762.3**	**.0354**	**94**
2822	Synthetic rubber	4	4	568.2	9.1096	100
Missaukee	**All mfg.**	**3**		**10.0**	**.0005**	**0**
Monroe	**All mfg.**	**47**	**15**	**784.3**	**.0364**	**84**
3469	Metal stampings n.e.c.	4	3	214.0	1.8324	98
Montcalm	**All mfg.**	**27**	**12**	**795.0**	**.0369**	**89**
3632	Household refrigerators & freezers	2	2	437.9	18.3490	100
Montmorency	**All mfg.**	**7**	**2**	**35.2**	**.0016**	**79**
Muskegon	**All mfg.**	**139**	**48**	**1,959.0**	**.0909**	**79**
2522	Metal office furniture	3	2	113.5	3.3768	98
3321	Gray-iron foundries	3	2	94.7	.9931	98
3369	Nonferrous foundries n.e.c.	2	2	140.8	7.9253	100
Newaygo	**All mfg.**	**14**	**5**	**182.7**	**.0085**	**75**
Oakland	**All mfg.**	**1,074**	**222**	**19,869.2**	**.9215**	**85**
1611	*Highway & street construction*	*9*	*5*	*127.7*	*.7384*	*85*
2011	Meat-packing plants	2	1	380.1	.8511	98
2013	Sausages & other prepared meats	2	1	435.6	3.1152	99
2085	Distilled liquor, except brandy	2	1	313.7	6.3479	86
2731	Book publishing	6	3	169.3	1.7248	93
2899	Chemical preparations n.e.c.	11	4	206.0	1.9353	79
3079	Miscellaneous plastics products	49	12	211.1	.8861	58
3442	Metal doors, sash, & trim	13	4	97.3	1.3067	58
3444	Sheet-metal work	15	5	128.6	1.0852	73
3451	Screw-machine products	20	2	54.4	2.4554	31
3452	Bolts, nuts, rivets, & washers	14	5	96.1	2.4873	64
3465	Automotive stampings	16	6	123.0	1.3795	71
3469	Metal stampings n.e.c.	20	4	135.6	1.1611	59
3535	Conveyors & conveying equipment	13	6	131.8	4.0675	75
3541	Metal-cutting machine tools	44	5	207.8	4.7684	54
3544	Special dies, tools, jigs, & fixtures	93	12	262.2	4.5585	40
3545	Machine-tool accessories	48	7	260.0	7.8989	66
3559	Special-industry machinery n.e.c.	16	5	167.1	1.8658	70
3599	Machinery, except electrical, n.e.c.	59	9	207.0	1.8087	38
3711	Motor vehicles & passenger-car bodies	6	6	9,504.2	9.9065	100
3713	Truck & bus bodies	4	2	2,278.5	24.8693	100
3714	Motor-vehicle parts & accessories	29	10	670.4	1.7533	83
3724	Aircraft engines & engine parts	3	2	157.7	1.7543	98
3728	Aircraft equipment n.e.c.	11	3	93.7	.7768	76
5081	*Commercial-equipment wholesalers*	*17*	*2*	*244.6*	*4.0202*	*88*
5084	*Industrial-machinery distributors*	*34*	*3*	*229.7*	*1.3492*	*32*
5085	*Industrial-supply distributors*	*29*	*1*	*271.3*	*1.3682*	*37*
7011	*Hotels, motels, & tourist courts*	*20*	*7*	*59.7*	*.1922*	*69*
8062	*General medical & surgical hospitals*	*12*	*9*	*682.8*	*.3778*	*98*
Oceana	**All mfg.**	**7**	**3**	**86.8**	**.0040**	**77**
Ogemaw	**All mfg.**	**14**	**1**	**126.8**	**.0059**	**10**
Ontonagon	**All mfg.**	**5**	**4**	**802.8**	**.0372**	**100**
3331	Primary copper	1	1	538.1	7.7685	100
3351	Copper rolling & drawing	1	1	205.0	6.0200	100
Osceola	**All mfg.**	**16**	**9**	**204.9**	**.0095**	**85**
Oscoda	**All mfg.**	**4**	**1**	**40.0**	**.0019**	**35**
Otsego	**All mfg.**	**11**	**2**	**105.0**	**.0049**	**62**
8062	*General medical & surgical hospitals*	*2*	*2*	*347.2*	*.1921*	*100*
Ottawa	**All mfg.**	**210**	**76**	**2,911.0**	**.1350**	**83**
2017	Poultry & egg processing	1	1	154.8	3.8746	100
2521	Wood office furniture	2	2	441.1	18.8038	100
3079	Miscellaneous plastics products	14	3	67.1	.2816	66
3231	Products of purchased glass	3	1	78.0	3.2866	94
3542	Metal-forming machine tools	2	2	93.2	6.1808	100
3585	Refrigeration & heating equipment	4	4	101.5	.6524	100
Presque Isle	**All mfg.**	**4**	**1**	**44.0**	**.0020**	**84**
Roscommon	**All mfg.**	**9**	**1**	**35.8**	**.0017**	**33**
Saginaw	**All mfg.**	**130**	**37**	**3,416.2**	**.1584**	**85**
3321	Gray-iron foundries	1	1	466.0	4.8871	100
3322	Malleable-iron foundries	1	1	131.6	19.0091	100
3714	Motor-vehicle parts & accessories	6	6	1,275.4	3.3355	100
8062	*General medical & surgical hospitals*	*5*	*5*	*178.6*	*.0988*	*100*
St. Clair	**All mfg.**	**97**	**37**	**1,075.8**	**.0499**	**82**
8062	*General medical & surgical hospitals*	*4*	*3*	*55.7*	*.0308*	*94*
St. Joseph	**All mfg.**	**93**	**30**	**982.3**	**.0456**	**69**
2591	Drapery hardware & blinds & shades	1	1	51.3	3.9050	100
3714	Motor-vehicle parts & accessories	3	2	130.3	.3408	99
Sanilac	**All mfg.**	**35**	**15**	**300.8**	**.0140**	**82**
Schoolcraft	**All mfg.**	**4**	**2**	**55.4**	**.0026**	**94**
Shiawassee	**All mfg.**	**47**	**13**	**418.6**	**.0194**	**69**
3621	Motors & generators	3	3	113.7	1.4594	100
Tuscola	**All mfg.**	**30**	**9**	**364.5**	**.0169**	**81**
8062	*General medical & surgical hospitals*	*3*	*2*	*57.2*	*.0316*	*91*
Van Buren	**All mfg.**	**52**	**15**	**463.8**	**.0215**	**54**
Washtenaw	**All mfg.**	**163**	**53**	**4,028.6**	**.1868**	**90**
2732	Book printing	5	5	98.1	2.3292	100
3079	Miscellaneous plastics products	10	7	158.6	.6657	96
3573	Electronic computing equipment	9	4	141.1	.2733	71
3711	Motor vehicles & passenger-car bodies	1	1	866.1	.9028	100
3714	Motor-vehicle parts & accessories	10	8	1,858.9	4.8616	99
7011	*Hotels, motels, & tourist courts*	*13*	*5*	*36.8*	*.1185*	*80*
8062	*General medical & surgical hospitals*	*7*	*7*	*475.5*	*.2631*	*100*
8221	*Colleges & universities n.e.c.*	*3*	*2*	*151.2*	*.5663*	*99*
Wayne	**All mfg.**	**1,442**	**327**	**37,291.3**	**1.7294**	**88**
1623	*Pipe- & utility-line construction*	*7*	*2*	*90.1*	*1.5168*	*78*
1629	*Heavy construction n.e.c.*	*9*	*3*	*165.5*	*.6271*	*84*

DEFINITIONS: **SIC Industry**: Classification by primary product or service. **Total Establishments**: Those with 20 or more employees. **Large Establishments**: Those with 100 or more employees. **Shipments/Receipts**: Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.**: Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments**: Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.**: Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.**: Not Elsewhere Classified.

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship/ Recpt	% In Large Estab
2011	Meat-packing plants	9	5	360.9	.8081	89
2051	Bread, cake, & related products	17	4	176.4	1.1075	81
2082	Malt beverages	1	1	450.0	3.9931	100
2086	Bottled & canned soft drinks	10	6	213.2	1.1229	92
2396	Automotive & apparel trimmings	6	3	342.9	23.9874	99
2652	Set-up paperboard boxes	2	1	50.4	9.2173	95
2711	Newspapers	20	3	312.1	1.4120	86
2731	Book publishing	6	4	136.6	1.3916	95
2751	Letterpress commercial printing	33	5	79.6	.8507	44
2752	Lithographic commercial printing	30	6	163.6	1.2658	52
2821	Plastics materials & synthetic resins	5	3	341.5	1.6029	95
2851	Paints & allied products	19	6	320.2	2.8612	69
3079	Miscellaneous plastics products	26	4	70.9	.2976	35
3312	Blast furnaces & steel mills	11	5	2,507.3	8.4728	98
3316	Cold-rolled steel sheet, strip, & bars	12	6	1,078.9	16.6235	94
3325	Steel foundries n.e.c.	5	3	568.4	10.9870	98
3429	Hardware n.e.c.	10	2	245.0	2.7008	86
3441	Fabricated structural metal	22	4	350.8	1.6849	53
3442	Metal doors, sash, & trim	15	3	200.8	2.6966	77
3443	Fabricated plate work (boiler shops)	11	3	167.2	1.2303	76
3444	Sheet-metal work	18	7	159.1	1.3425	72
3451	Screw-machine products	37	4	95.7	4.3196	29
3452	Bolts, nuts, rivets, & washers	22	5	153.3	3.9678	59
3462	Iron & steel forgings	23	4	312.1	5.8695	71
3465	Automotive stampings	27	11	2,236.1	25.0796	97
3469	Metal stampings n.e.c.	28	10	223.3	1.9120	74
3519	Internal-combustion engines n.e.c.	5	5	1,666.0	16.7969	100
3523	Farm machinery & equipment	4	3	138.4	1.3905	98
3535	Conveyors & conveying equipment	15	6	126.1	3.8916	73
3541	Metal-cutting machine tools	35	3	115.8	2.6572	29
3544	Special dies, tools, jigs, & fixtures	93	8	377.4	6.5613	55
3545	Machine-tool accessories	42	4	118.4	3.5970	29
3559	Special-industry machinery n.e.c.	20	4	138.7	1.5487	58
3568	Power-transmission equipment n.e.c.	7	3	176.6	4.4154	90
3599	Machinery, except electrical, n.e.c.	57	3	162.6	1.4207	19
3711	Motor vehicles & passenger-car bodies	16	14	12,346.8	12.8695	100
3714	Motor-vehicle parts & accessories	56	25	3,895.0	10.1866	97
4911	*Electric services*	*3*	*2*	*2,529.6*	*2.3128*	*100*
4922	*Natural-gas transmission*	*4*	*3*	*2,294.1*	*5.0191*	*99*
4923	*Gas transmission & distribution*	*2*	*1*	*1,519.9*	*6.0897*	*98*
5051	*Metals service centers & sales offices*	*34*	*9*	*1,104.8*	*3.6289*	*64*
5084	*Industrial-machinery distributors*	*37*		*154.7*	*.9086*	*0*
5085	*Industrial-supply distributors*	*33*	*2*	*213.6*	*1.0772*	*26*
6025	*National banks, federal reserve system*	*9*	*6*	*1,744.4*	*1.2640*	*99*
7011	*Hotels, motels, & tourist courts*	*30*	*14*	*275.5*	*.8868*	*91*
7372	*Computer programming & software*	*4*	*2*	*64.6*	*.5652*	*93*
8062	*General medical & surgical hospitals*	*49*	*48*	*2,520.4*	*1.3944*	*100*
8221	*Colleges & universities n.e.c.*	*9*	*3*	*151.2*	*.5665*	*90*
Wexford	**All mfg.**	**29**	**15**	**269.1**	**.0125**	**79**
STATE TOTAL	**All mfg.**	**6,977**	**1,812**	**139,744.2**	**6.4809**	**86**

MINNESOTA

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship/ Recpt	% In Large Estab
Aitkin	**All mfg.**	**9**	**2**	**51.8**	**.0024**	**50**
Anoka	**All mfg.**	**66**	**23**	**1,313.4**	**.0609**	**87**
3482	Small-arms ammunition	2	2	164.4	9.9824	100
3621	Motors & generators	1	1	62.9	.8073	100
3634	Electric housewares & fans	1	1	139.1	3.6164	100
3841	Surgical & medical instruments	1	1	97.9	1.9346	100
Becker	**All mfg.**	**5**	**4**	**91.8**	**.0043**	**95**
Beltrami	**All mfg.**	**10**	**4**	**58.2**	**.0027**	**66**
Benton	**All mfg.**	**40**	**15**	**490.5**	**.0227**	**79**
2751	Letterpress commercial printing	3	3	39.1	.4179	100
3632	Household refrigerators & freezers	1	1	124.9	5.2336	100
3851	Ophthalmic goods	6	5	25.4	2.7744	96
Big Stone	**All mfg.**	**2**		**9.9**	**.0005**	**0**
Blue Earth	**All mfg.**	**45**	**18**	**729.8**	**.0338**	**74**
2751	Letterpress commercial printing	1	1	46.0	.4916	100
Brown	**All mfg.**	**25**	**6**	**572.1**	**.0265**	**81**
Carlton	**All mfg.**	**5**	**3**	**290.7**	**.0135**	**99**
2621	Paper mills, except building paper	1	1	181.9	.9051	100
Carver	**All mfg.**	**40**	**16**	**563.5**	**.0261**	**67**
Cass	**All mfg.**	**3**		**11.5**	**.0005**	**0**
Chippewa	**All mfg.**	**4**		**24.9**	**.0012**	**0**
Chisago	**All mfg.**	**17**	**4**	**103.7**	**.0048**	**50**
Clay	**All mfg.**	**7**	**2**	**95.4**	**.0044**	**50**
Clearwater	**All mfg.**	**5**		**19.3**	**.0009**	**0**
Cottonwood	**All mfg.**	**8**	**1**	**141.2**	**.0065**	**17**
Crow Wing	**All mfg.**	**20**	**3**	**168.1**	**.0078**	**68**
Dakota	**All mfg.**	**73**	**24**	**4,868.2**	**.2258**	**95**
Dodge	**All mfg.**	**4**	**1**	**48.6**	**.0023**	**62**
Douglas	**All mfg.**	**15**	**3**	**167.7**	**.0078**	**57**
Faribault	**All mfg.**	**17**	**6**	**152.7**	**.0071**	**73**
Fillmore	**All mfg.**	**8**	**2**	**151.7**	**.0070**	**21**
Freeborn	**All mfg.**	**29**	**7**	**755.3**	**.0350**	**90**
2011	Meat-packing plants	1	1	442.2	.9902	100
Goodhue	**All mfg.**	**33**	**15**	**478.5**	**.0222**	**69**
Grant	**All mfg.**	**2**	**1**	**8.7**	**.0004**	**82**
Hennepin	**All mfg.**	**927**	**281**	**11,903.4**	**.5520**	**76**
2041	Flour & other grain-mill products	6	3	640.3	16.4949	96
2051	Bread, cake, & related products	8	4	212.4	1.3335	94
2431	Millwork	11	2	65.3	1.0670	54
2711	Newspapers	5	3	169.7	.7677	96
2751	Letterpress commercial printing	41	8	127.8	1.3659	48
2752	Lithographic commercial printing	18	6	180.7	1.3981	75
3069	Fabricated rubber products n.e.c.	12	2	55.3	1.0277	61
3079	Miscellaneous plastics products	34	12	171.7	.7207	71
3361	Aluminum foundries	6	4	140.4	4.6705	97
3469	Metal stampings n.e.c.	22	9	130.0	1.1131	57
3483	Ammunition, except small-arms, n.e.c.	1	1	109.6	7.4421	100
3524	Lawn & garden equipment	2	1	126.9	7.3158	98
3559	Special-industry machinery n.e.c.	9	3	73.1	.8162	68
3563	Air & gas compressors	3	2	107.3	3.2696	97
3573	Electronic computing equipment	19	12	647.4	1.2538	96
3585	Refrigeration & heating equipment	4	1	158.8	1.0207	91
3589	Service-industry machinery n.e.c.	5	4	172.9	5.6472	95
3599	Machinery, except electrical, n.e.c.	50	5	198.3	1.7326	39
3622	Industrial controls	4	2	249.8	4.7719	98
3662	Radio & TV communication equipment	9	5	319.4	.9463	89
3679	Electronic components n.e.c.	17	9	234.4	1.1983	86
3714	Motor-vehicle parts & accessories	7	3	177.2	.4634	88
3795	Tanks & tank components	1	1	320.1	18.4251	100
3822	Environmental controls	3	2	273.6	15.8581	100
3823	Industrial process-control instruments	5	2	273.7	6.8586	95
3829	Measuring & controlling devices n.e.c.	1	1	94.0	3.5304	100
3841	Surgical & medical instruments	6	4	65.1	1.2864	85
3842	Surgical appliances & supplies	8	5	143.8	2.1581	91
3851	Ophthalmic goods	4	2	61.9	6.7613	96
3993	Signs & advertising displays	12	3	53.3	2.2490	69
4011	*Line-haul-operating railroads*	*3*	*2*	*184.9*	*.7474*	*97*
4924	*Natural-gas distribution*	*1*	*1*	*662.8*	*3.2784*	*100*
4931	*Electric & other services combined*	*1*	*1*	*479.3*	*1.6206*	*100*
5051	*Metals service centers & sales offices*	*12*	*2*	*495.0*	*1.6259*	*74*
5081	*Commercial-equipment wholesalers*	*25*	*5*	*64.5*	*1.0801*	*45*
5084	*Industrial-machinery distributors*	*33*	*2*	*191.7*	*1.1260*	*16*
5085	*Industrial-supply distributors*	*38*	*4*	*252.4*	*1.2729*	*40*
6025	*National banks, federal reserve system*	*23*	*6*	*2,114.8*	*1.5324*	*93*
7011	*Hotels, motels, & tourist courts*	*50*	*22*	*217.8*	*.7010*	*82*
7372	*Computer programming & software*	*19*	*10*	*292.4*	*2.5584*	*82*
7374	*Data-processing services*	*14*	*5*	*113.4*	*1.4110*	*70*
8062	*General medical & surgical hospitals*	*13*	*12*	*977.6*	*.5409*	*100*
Houston	**All mfg.**	**7**	**2**	**53.9**	**.0025**	**56**
Hubbard	**All mfg.**	**2**		**7.0**	**.0003**	**0**
Isanti	**All mfg.**	**17**	**5**	**122.0**	**.0057**	**52**
Itasca	**All mfg.**	**13**	**3**	**273.1**	**.0127**	**83**
2621	Paper mills, except building paper	1	1	178.0	.8857	100
Jackson	**All mfg.**	**5**	**3**	**94.1**	**.0044**	**87**
Kanabec	**All mfg.**	**3**	**1**	**33.2**	**.0015**	**59**
Kandiyohi	**All mfg.**	**18**	**3**	**109.2**	**.0051**	**34**
Koochiching	**All mfg.**	**4**	**2**	**142.4**	**.0066**	**94**
Lac qui Parle	**All mfg.**	**6**		**70.7**	**.0033**	**0**
Lake	**All mfg.**	**3**	**2**	**26.6**	**.0012**	**94**
1011	*Iron-ore mining*	*1*	*1*	*211.6*	*13.6914*	*100*
Lake of the Woods	**All mfg.**	**2**	**1**	**5.7**	**.0003**	**61**
Le Sueur	**All mfg.**	**19**	**4**	**135.6**	**.0063**	**37**
Lyon	**All mfg.**	**20**	**9**	**295.7**	**.0137**	**78**
McLeod	**All mfg.**	**28**	**9**	**639.0**	**.0296**	**79**
2641	Paper coating & glazing	1	1	218.9	3.7712	100
3679	Electronic components n.e.c.	1	1	52.7	.2694	100
Marshall	**All mfg.**	**1**	**1**	**81.9**	**.0038**	**100**
Martin	**All mfg.**	**15**	**10**	**265.9**	**.0123**	**90**
Meeker	**All mfg.**	**10**	**2**	**81.6**	**.0038**	**25**
Mille Lacs	**All mfg.**	**14**	**4**	**108.5**	**.0050**	**46**
Morrison	**All mfg.**	**11**	**4**	**123.3**	**.0057**	**76**
2322	Men's & boys' underwear	1	1	22.4	4.4060	100
Mower	**All mfg.**	**17**	**4**	**595.7**	**.0276**	**91**
2011	Meat-packing plants	1	1	287.2	.6431	100
2013	Sausages & other prepared meats	2	1	215.8	1.5433	99
Murray	**All mfg.**	**2**	**1**	**39.1**	**.0018**	**75**
Nicollet	**All mfg.**	**5**	**2**	**50.1**	**.0023**	**39**
Nobles	**All mfg.**	**9**	**2**	**113.9**	**.0053**	**75**
Norman	**All mfg.**	**2**		**5.5**	**.0003**	**0**
Olmsted	**All mfg.**	**31**	**10**	**1,511.8**	**.0701**	**93**
3573	Electronic computing equipment	1	1	1,005.1	1.9466	100
7011	*Hotels, motels, & tourist courts*	*12*	*4*	*64.8*	*.2086*	*78*
8062	*General medical & surgical hospitals*	*4*	*4*	*299.5*	*.1657*	*100*
Otter Tail	**All mfg.**	**18**	**9**	**323.3**	**.0150**	**79**
8062	*General medical & surgical hospitals*	*5*	*3*	*66.2*	*.0366*	*93*
Pennington	**All mfg.**	**4**		**46.0**	**.0021**	**0**
Pine	**All mfg.**	**5**		**21.0**	**.0010**	**0**
Pipestone	**All mfg.**	**3**	**2**	**28.1**	**.0013**	**84**
Polk	**All mfg.**	**9**	**3**	**255.4**	**.0118**	**80**

1986 S&MM Est

MINNESOTA (cont.)

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
Pope	**All mfg.**	**3**		**12.2**	**.0006**	**0**
Ramsey	**All mfg.**	**334**	**118**	**7,401.8**	**.3433**	**84**
2641	Paper coating & glazing	2	2	1,426.6	24.5775	100
2721	Periodicals	8	2	147.7	1.2080	84
2731	Book publishing	4	2	284.6	2.8994	97
2751	Letterpress commercial printing	17	7	137.4	1.4685	87
2752	Lithographic commercial printing	6	4	132.2	1.0229	96
2899	Chemical preparations n.e.c.	1	1	181.3	1.7032	100
3079	Miscellaneous plastics products	8	2	67.7	.2842	83
3573	Electronic computing equipment	9	6	676.7	1.3106	98
3711	Motor vehicles & passenger-car bodies	2	1	800.8	.8347	98
7011	*Hotels, motels, & tourist courts*	*17*	*7*	*52.0*	*.1674*	*75*
7372	*Computer programming & software*	*10*	*7*	*58.5*	*.5119*	*91*
8062	*General medical & surgical hospitals*	*10*	*10*	*477.3*	*.2641*	*100*
8221	*Colleges & universities n.e.c.*	*12*	*6*	*252.6*	*.9464*	*96*
Red Lake	**All mfg.**	**1**	**1**	**13.4**	**.0006**	**100**
Redwood	**All mfg.**	**9**	**3**	**87.7**	**.0041**	**59**
Renville	**All mfg.**	**11**	**4**	**174.6**	**.0081**	**69**
Rice	**All mfg.**	**26**	**8**	**397.2**	**.0184**	**63**
8062	*General medical & surgical hospitals*	*4*	*4*	*87.2*	*.0482*	*100*
Rock	**All mfg.**	**6**	**2**	**125.9**	**.0058**	**77**
Roseau	**All mfg.**	**3**	**2**	**81.7**	**.0038**	**96**
St. Louis	**All mfg.**	**77**	**19**	**897.4**	**.0416**	**59**
1011	*Iron-ore mining*	*9*	*8*	*634.0*	*41.0223*	*99*
2038	Frozen food specialties	2	1	157.3	3.6743	98
4911	*Electric services*	*3*	*1*	*343.6*	*.3141*	*89*
8062	*General medical & surgical hospitals*	*8*	*7*	*199.3*	*.1103*	*98*
Scott	**All mfg.**	**28**	**10**	**377.7**	**.0175**	**63**
Sherburne	**All mfg.**	**18**	**4**	**145.6**	**.0068**	**53**
8062	*General medical & surgical hospitals*	*2*	*2*	*138.3*	*.0765*	*100*
Sibley	**All mfg.**	**9**	**3**	**117.5**	**.0054**	**65**
Stearns	**All mfg.**	**31**	**15**	**682.8**	**.0317**	**82**
2017	Poultry & egg processing	2	2	120.9	3.0261	100
3281	Cut stone & stone products	2	2	83.7	7.4866	100
Steele	**All mfg.**	**38**	**14**	**657.0**	**.0305**	**80**
3423	Hand & edge tools n.e.c.	1	1	93.0	2.7974	100
Stevens	**All mfg.**	**6**		**23.6**	**.0011**	**0**
Swift	**All mfg.**	**4**	**1**	**35.5**	**.0016**	**47**
Todd	**All mfg.**	**13**	**3**	**200.3**	**.0093**	**37**
Wabasha	**All mfg.**	**12**	**5**	**184.3**	**.0085**	**73**
Wadena	**All mfg.**	**8**	**1**	**51.6**	**.0024**	**42**
Waseca	**All mfg.**	**9**	**3**	**256.7**	**.0119**	**88**
2752	Lithographic commercial printing	1	1	110.2	.8526	100
3662	Radio & TV communication equipment	1	1	97.5	.2889	100
Washington	**All mfg.**	**22**	**7**	**977.3**	**.0453**	**90**
2431	Millwork	2	1	547.2	8.9410	100
2641	Paper coating & glazing	1	1	109.4	1.8847	100
Watonwan	**All mfg.**	**9**	**4**	**109.4**	**.0051**	**69**
Wilkin	**All mfg.**	**1**		**5.5**	**.0003**	**0**
Winona	**All mfg.**	**45**	**21**	**542.9**	**.0252**	**77**
Wright	**All mfg.**	**30**	**6**	**202.0**	**.0094**	**57**
4912	*Nuclear power*	*1*	*1*	*517.0*	*1.8383*	*100*
Yellow Medicine	**All mfg.**	**6**	**3**	**71.5**	**.0033**	**86**
STATE TOTAL	**All mfg.**	**2,481**	**796**	**42,763.0**	**1.9832**	**79**

MISSISSIPPI

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
Adams	**All mfg.**	**19**	**4**	**306.0**	**.0142**	**75**
Alcorn	**All mfg.**	**28**	**14**	**488.7**	**.0227**	**86**
3661	Telephone & telegraph apparatus	1	1	241.5	1.2689	100
Amite	**All mfg.**	**6**	**2**	**58.0**	**.0027**	**68**
Attala	**All mfg.**	**16**	**4**	**164.6**	**.0076**	**56**
Benton	**All mfg.**	**3**	**1**	**17.3**	**.0008**	**26**
Bolivar	**All mfg.**	**13**	**6**	**218.2**	**.0101**	**82**
Calhoun	**All mfg.**	**15**	**7**	**105.3**	**.0049**	**72**
Carroll	**All mfg.**	**1**		**3.6**	**.0002**	**0**
Chickasaw	**All mfg.**	**35**	**19**	**295.6**	**.0137**	**85**
2512	Upholstered wood household furniture	15	5	99.5	1.9773	73
Choctaw	**All mfg.**	**7**	**5**	**57.4**	**.0027**	**91**
Claiborne	**All mfg.**	**10**	**4**	**79.9**	**.0037**	**56**
Clarke	**All mfg.**	**15**	**6**	**97.2**	**.0045**	**74**
Clay	**All mfg.**	**12**	**5**	**724.7**	**.0336**	**96**
2011	Meat-packing plants	1	1	590.2	1.3216	100
Coahoma	**All mfg.**	**19**	**6**	**274.0**	**.0127**	**79**
Copiah	**All mfg.**	**20**	**12**	**166.4**	**.0077**	**82**
Covington	**All mfg.**	**7**	**3**	**91.2**	**.0042**	**89**
De Soto	**All mfg.**	**50**	**19**	**525.4**	**.0244**	**73**
Forrest	**All mfg.**	**35**	**13**	**427.3**	**.0198**	**72**
8062	*General medical & surgical hospitals*	*2*	*2*	*69.6*	*.0385*	*100*
8221	*Colleges & universities n.e.c.*	*2*	*1*	*109.0*	*.4084*	*98*
Franklin	**All mfg.**	**6**	**1**	**30.1**	**.0014**	**44**
George	**All mfg.**	**3**	**1**	**11.1**	**.0005**	**54**
Greene	**All mfg.**	**2**	**1**	**10.0**	**.0005**	**86**
Grenada	**All mfg.**	**22**	**7**	**410.1**	**.0190**	**85**
3585	Refrigeration & heating equipment	1	1	151.9	.9764	100
Hancock	**All mfg.**	**13**	**5**	**195.5**	**.0091**	**73**
3483	Ammunition, except small-arms, n.e.c.	1	1	55.0	3.7346	100
Harrison	**All mfg.**	**71**	**28**	**693.9**	**.0322**	**63**
7011	*Hotels, motels, & tourist courts*	*22*	*6*	*63.1*	*.2031*	*62*
8062	*General medical & surgical hospitals*	*6*	*5*	*217.3*	*.1202*	*99*
Hinds	**All mfg.**	**146**	**50**	**1,923.8**	**.0892**	**75**
2517	Wood TV & radio cabinets	1	1	62.1	10.0730	100
3561	Pumps & pumping equipment	1	1	152.7	2.2838	100
3613	Switchgear & switchboard apparatus	2	2	83.4	1.6698	100
3694	Engine electrical equipment	1	1	98.4	1.8424	100
4911	*Electric services*	*1*	*1*	*315.1*	*.2881*	*100*
6025	*National banks, federal reserve system*	*2*	*2*	*345.5*	*.2504*	*100*
7011	*Hotels, motels, & tourist courts*	*17*	*3*	*50.5*	*.1625*	*47*
8062	*General medical & surgical hospitals*	*7*	*6*	*291.3*	*.1612*	*97*
Holmes	**All mfg.**	**6**	**4**	**83.9**	**.0039**	**93**
Humphreys	**All mfg.**	**7**	**3**	**75.7**	**.0035**	**69**
Itawamba	**All mfg.**	**18**	**8**	**148.3**	**.0069**	**75**
Jackson	**All mfg.**	**49**	**21**	**2,986.1**	**.1385**	**94**
2621	Paper mills, except building paper	1	1	109.6	.5454	100
2911	Petroleum refining	1	1	1,765.1	1.2590	100
3731	Ship building & repairing	7	7	622.1	7.9172	100
Jasper	**All mfg.**	**4**	**2**	**40.0**	**.0019**	**84**
Jefferson	**All mfg.**	**4**	**2**	**28.2**	**.0013**	**83**
Jefferson Davis	**All mfg.**	**2**	**1**	**10.9**	**.0005**	**42**
Jones	**All mfg.**	**42**	**13**	**462.6**	**.0215**	**56**
2499	Wood products n.e.c.	2	1	71.7	1.5954	93
3612	Transformers	1	1	53.8	1.9048	100
Kemper	**All mfg.**	**5**	**2**	**23.4**	**.0011**	**74**
Lafayette	**All mfg.**	**7**	**4**	**159.1**	**.0074**	**87**
Lamar	**All mfg.**	**11**	**5**	**526.5**	**.0244**	**92**
Lauderdale	**All mfg.**	**59**	**21**	**608.7**	**.0282**	**65**
8062	*General medical & surgical hospitals*	*6*	*6*	*178.7*	*.0989*	*100*
Lawrence	**All mfg.**	**5**	**5**	**133.4**	**.0062**	**100**
Leake	**All mfg.**	**11**	**7**	**104.4**	**.0048**	**91**
Lee	**All mfg.**	**71**	**36**	**970.7**	**.0450**	**85**
2311	Men's & boys' suits & coats	3	3	59.8	1.6195	100
2328	Men's & boys' work clothing	3	3	44.9	1.2618	100
2512	Upholstered wood household furniture	10	6	111.0	2.2058	88
8062	*General medical & surgical hospitals*	*2*	*2*	*74.0*	*.0409*	*100*
Leflore	**All mfg.**	**22**	**10**	**225.2**	**.0104**	**80**
Lincoln	**All mfg.**	**21**	**3**	**113.7**	**.0053**	**47**
Lowndes	**All mfg.**	**39**	**23**	**697.0**	**.0323**	**87**
3621	Motors & generators	2	2	125.4	1.6095	100
Madison	**All mfg.**	**30**	**8**	**231.3**	**.0107**	**70**
Marion	**All mfg.**	**10**	**4**	**75.9**	**.0035**	**54**
8062	*General medical & surgical hospitals*	*1*	*1*	*194.8*	*.1078*	*100*
Marshall	**All mfg.**	**13**	**6**	**149.8**	**.0069**	**84**
Monroe	**All mfg.**	**34**	**19**	**368.8**	**.0171**	**79**
2327	Men's & boys' separate trousers	10	10	80.7	3.1368	100
Montgomery	**All mfg.**	**10**	**4**	**72.8**	**.0034**	**65**
Neshoba	**All mfg.**	**13**	**12**	**183.8**	**.0085**	**99**
Newton	**All mfg.**	**13**	**7**	**176.4**	**.0082**	**84**
Noxubee	**All mfg.**	**8**	**5**	**55.5**	**.0026**	**69**
Oktibbeha	**All mfg.**	**17**	**7**	**205.0**	**.0095**	**80**
Panola	**All mfg.**	**27**	**8**	**174.9**	**.0081**	**65**
Pearl River	**All mfg.**	**21**	**5**	**146.5**	**.0068**	**46**
Perry	**All mfg.**	**3**	**2**	**15.5**	**.0007**	**93**
Pike	**All mfg.**	**20**	**7**	**277.9**	**.0129**	**52**
Pontotoc	**All mfg.**	**25**	**12**	**213.7**	**.0099**	**75**
2512	Upholstered wood household furniture	8	4	96.3	1.9137	85
Prentiss	**All mfg.**	**22**	**12**	**286.0**	**.0133**	**80**
Quitman	**All mfg.**	**4**	**3**	**117.0**	**.0054**	**96**
Rankin	**All mfg.**	**19**	**11**	**237.5**	**.0110**	**80**
8062	*General medical & surgical hospitals*	*2*	*2*	*99.6*	*.0551*	*100*
Scott	**All mfg.**	**25**	**11**	**366.7**	**.0170**	**81**
2016	Poultry-dressing plants	3	3	96.4	1.4235	100
Sharkey	**All mfg.**	**2**	**2**	**40.2**	**.0019**	**100**
Simpson	**All mfg.**	**9**	**3**	**123.2**	**.0057**	**80**
3612	Transformers	1	1	83.7	2.9635	100
Smith	**All mfg.**	**13**	**8**	**172.6**	**.0080**	**90**
Stone	**All mfg.**	**6**	**2**	**67.1**	**.0031**	**75**

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U S Ship Recpt	% In Large Estab
Sunflower	**All mfg.**	**13**	**8**	**143.7**	**.0067**	**86**
Tallahatchie	**All mfg.**	**4**	**2**	**12.3**	**.0006**	**69**
Tate	**All mfg.**	**5**	**4**	**97.2**	**.0045**	**99**
Tippah	**All mfg.**	**15**	**10**	**199.4**	**.0092**	**85**
Tishomingo	**All mfg.**	**17**	**8**	**155.9**	**.0072**	**74**
Tunica	**All mfg.**	**2**		**25.5**	**.0012**	**0**
Union	**All mfg.**	**20**	**7**	**244.9**	**.0114**	**76**
2512	Upholstered wood household furniture	1	1	69.1	1.3732	100
Walthall	**All mfg.**	**5**	**1**	**22.0**	**.0010**	**60**
Warren	**All mfg.**	**27**	**10**	**358.2**	**.0166**	**55**
Washington	**All mfg.**	**45**	**16**	**690.3**	**.0320**	**70**
Wayne	**All mfg.**	**9**	**5**	**102.8**	**.0048**	**82**
Webster	**All mfg.**	**9**	**6**	**63.0**	**.0029**	**87**
Wilkinson	**All mfg.**	**3**	**1**	**14.7**	**.0007**	**69**
Winston	**All mfg.**	**12**	**8**	**209.3**	**.0097**	**92**
Yalobusha	**All mfg.**	**5**	**4**	**85.2**	**.0040**	**96**
Yazoo	**All mfg.**	**11**	**5**	**306.6**	**.0142**	**95**
STATE TOTAL	**All mfg.**	**1,503**	**646**	**21,262.2**	**.9861**	**80**

MISSOURI

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U S Ship Recpt	% In Large Estab
Adair	**All mfg.**	**9**	**5**	**94.0**	**.0044**	**90**
Andrew	**All mfg.**	**1**		**5.8**	**.0003**	**0**
Atchison	**All mfg.**	**3**	**1**	**346.8**	**.0161**	**97**
Audrain	**All mfg.**	**18**	**7**	**191.9**	**.0089**	**65**
3255	Clay refractories	5	4	106.9	14.2876	97
Barry	**All mfg.**	**27**	**9**	**275.8**	**.0128**	**75**
Barton	**All mfg.**	**4**	**2**	**218.5**	**.0101**	**97**
2514	Metal household furniture	1	1	197.8	8.6146	100
Bates	**All mfg.**	**5**	**1**	**34.9**	**.0016**	**24**
Benton	**All mfg.**	**4**	**1**	**14.3**	**.0007**	**38**
Bollinger	**All mfg.**	**3**	**2**	**15.9**	**.0007**	**65**
Boone	**All mfg.**	**33**	**8**	**499.6**	**.0232**	**73**
3079	Miscellaneous plastics products	2	1	56.3	.2363	97
3546	Power-driven hand tools	1	1	92.5	7.1545	100
8062	*General medical & surgical hospitals*	*5*	*5*	*275.9*	*.1526*	*100*
8221	*Colleges & universities n.e.c.*	*2*	*2*	*76.2*	*.2855*	*100*
Buchanan	**All mfg.**	**70**	**33**	**1,352.7**	**.0627**	**83**
3496	Miscellaneous fabricated wire products	2	2	85.1	1.8946	100
8062	*General medical & surgical hospitals*	*2*	*2*	*104.4*	*.0578*	*100*
Butler	**All mfg.**	**18**	**8**	**124.2**	**.0058**	**72**
8062	*General medical & surgical hospitals*	*4*	*3*	*76.9*	*.0425*	*95*
Caldwell	**All mfg.**	**1**	**1**	**24.1**	**.0011**	**100**
Callaway	**All mfg.**	**7**	**4**	**82.6**	**.0038**	**87**
8062	*General medical & surgical hospitals*	*2*	*1*	*76.1*	*.0421*	*93*
Camden	**All mfg.**	**8**	**1**	**66.2**	**.0031**	**48**
Cape Girardeau	**All mfg.**	**46**	**15**	**978.0**	**.0454**	**84**
Carroll	**All mfg.**	**5**	**2**	**68.3**	**.0032**	**92**
Carter	**All mfg.**	**5**	**3**	**38.6**	**.0018**	**81**
Cass	**All mfg.**	**11**	**2**	**49.9**	**.0023**	**51**
Cedar	**All mfg.**	**9**	**4**	**82.3**	**.0038**	**60**
Chariton	**All mfg.**	**2**	**1**	**8.9**	**.0004**	**82**
Christian	**All mfg.**	**9**	**2**	**76.1**	**.0035**	**84**
Clark	**All mfg.**	**1**		**8.3**	**.0004**	**0**
Clay	**All mfg.**	**73**	**22**	**737.6**	**.0342**	**64**
8062	*General medical & surgical hospitals*	*4*	*4*	*112.9*	*.0625*	*100*
Clinton	**All mfg.**	**2**	**1**	**15.3**	**.0007**	**89**
Cole	**All mfg.**	**14**	**6**	**348.7**	**.0162**	**86**
3612	Transformers	1	1	85.5	3.0272	100
8062	*General medical & surgical hospitals*	*4*	*4*	*64.7*	*.0358*	*100*
Cooper	**All mfg.**	**11**	**5**	**62.6**	**.0029**	**62**
Crawford	**All mfg.**	**8**	**3**	**45.9**	**.0021**	**72**
Dade	**All mfg.**	**2**		**4.0**	**.0002**	**0**
Daviess	**All mfg.**	**3**		**9.3**	**.0004**	**0**
Dent	**All mfg.**	**5**	**3**	**27.9**	**.0013**	**91**
Douglas	**All mfg.**	**6**	**2**	**70.1**	**.0033**	**77**
Dunklin	**All mfg.**	**13**	**6**	**172.6**	**.0080**	**84**
Franklin	**All mfg.**	**69**	**25**	**611.9**	**.0284**	**62**
Gasconade	**All mfg.**	**17**	**4**	**90.7**	**.0042**	**52**
Gentry	**All mfg.**	**3**		**11.8**	**.0005**	**0**
Greene	**All mfg.**	**109**	**41**	**2,588.5**	**.1200**	**87**
2022	Natural & processed cheese	2	2	455.0	5.4028	100
2654	Sanitary food containers	1	1	106.6	4.2041	100
2731	Book publishing	1	1	121.7	1.2399	100
3651	Radio & TV receiving sets	1	1	265.3	3.6211	100
3679	Electronic components n.e.c.	2	2	94.2	.4816	100
8062	*General medical & surgical hospitals*	*4*	*4*	*201.3*	*.1114*	*100*
8221	*Colleges & universities n.e.c.*	*4*	*2*	*70.7*	*.2649*	*91*
Grundy	**All mfg.**	**3**	**2**	**78.3**	**.0036**	**94**
Harrison	**All mfg.**	**2**	**1**	**5.0**	**.0002**	**68**
Henry	**All mfg.**	**11**	**4**	**151.6**	**.0070**	**78**
Hickory	**All mfg.**	**2**		**4.7**	**.0002**	**0**
Holt	**All mfg.**	**2**	**1**	**82.7**	**.0038**	**92**
Howard	**All mfg.**	**7**	**4**	**74.9**	**.0035**	**89**
Howell	**All mfg.**	**24**	**9**	**197.5**	**.0092**	**76**
Iron	**All mfg.**	**3**	**2**	**32.8**	**.0015**	**97**
Jackson	**All mfg.**	**429**	**115**	**9,695.2**	**.4496**	**85**
1311	*Crude petroleum & natural gas*	*2*	*1*	*343.7*	*.9564*	*96*
1629	*Heavy construction n.e.c.*	*6*	*3*	*139.4*	*.5282*	*78*
2711	Newspapers	8	1	56.7	.2565	74
2771	Greeting-card publishing	2	1	736.2	30.7224	100
2834	Pharmaceutical preparations	4	2	389.4	1.8247	99
2869	Industrial organic chemicals n.e.c.	2	1	395.7	1.2406	98
3079	Miscellaneous plastics products	22	6	90.6	.3803	63
3312	Blast furnaces & steel mills	1	1	385.2	1.3017	100
3315	Steel wire & related products	1	1	151.8	6.2990	100
3482	Small-arms ammunition	2	1	325.0	19.7340	98
3523	Farm machinery & equipment	2	1	148.8	1.4949	98
3661	Telephone & telegraph apparatus	1	1	536.5	2.8190	100
3679	Electronic components n.e.c.	3	3	248.0	1.2678	100
3711	Motor vehicles & passenger-car bodies	1	1	1,654.2	1.7242	100
4011	*Line-haul-operating railroads*	*1*	*1*	*413.7*	*1.6722*	*100*
4911	*Electric services*	*2*	*2*	*569.1*	*.5203*	*100*
4924	*Natural-gas distribution*	*2*	*1*	*445.4*	*2.2031*	*98*
6025	*National banks, federal reserve system*	*14*	*5*	*524.5*	*.3801*	*87*
7011	*Hotels, motels, & tourist courts*	*28*	*14*	*198.2*	*.6380*	*86*
8062	*General medical & surgical hospitals*	*15*	*14*	*798.0*	*.4415*	*100*
8221	*Colleges & universities n.e.c.*	*5*	*5*	*100.5*	*.3765*	*100*
Jasper	**All mfg.**	**86**	**40**	**1,236.6**	**.0573**	**79**
2816	Inorganic pigments	1	1	71.1	7.0930	100
8062	*General medical & surgical hospitals*	*4*	*4*	*85.8*	*.0475*	*100*
Jefferson	**All mfg.**	**35**	**14**	**622.0**	**.0288**	**81**
Johnson	**All mfg.**	**11**	**5**	**70.9**	**.0033**	**66**
Knox	**All mfg.**	**1**		**1.9**	**.0001**	**0**
Laclede	**All mfg.**	**18**	**8**	**179.2**	**.0083**	**71**
Lafayette	**All mfg.**	**19**	**6**	**92.2**	**.0043**	**44**
Lawrence	**All mfg.**	**21**	**7**	**179.3**	**.0083**	**48**
Lewis	**All mfg.**	**2**	**1**	**14.7**	**.0007**	**86**
Lincoln	**All mfg.**	**8**	**2**	**25.4**	**.0012**	**32**
Linn	**All mfg.**	**8**	**3**	**131.3**	**.0061**	**69**
Livingston	**All mfg.**	**9**	**3**	**74.8**	**.0035**	**47**
McDonald	**All mfg.**	**9**	**4**	**100.9**	**.0047**	**81**
Macon	**All mfg.**	**4**	**2**	**49.3**	**.0023**	**94**
Madison	**All mfg.**	**6**		**22.8**	**.0011**	**0**
Maries	**All mfg.**	**3**		**45.0**	**.0021**	**0**
Marion	**All mfg.**	**29**	**11**	**461.5**	**.0214**	**81**
Miller	**All mfg.**	**10**	**3**	**91.6**	**.0042**	**70**
Mississippi	**All mfg.**	**5**	**2**	**39.7**	**.0018**	**77**
Moniteau	**All mfg.**	**6**	**4**	**80.9**	**.0038**	**85**
Monroe	**All mfg.**	**5**	**2**	**36.0**	**.0017**	**57**
Montgomery	**All mfg.**	**9**	**2**	**39.2**	**.0018**	**45**
Morgan	**All mfg.**	**6**	**3**	**35.0**	**.0016**	**82**
New Madrid	**All mfg.**	**4**	**3**	**48.2**	**.0022**	**95**
Newton	**All mfg.**	**22**	**10**	**384.9**	**.0179**	**82**
Nodaway	**All mfg.**	**13**	**1**	**113.2**	**.0052**	**35**
Oregon	**All mfg.**	**4**	**1**	**14.1**	**.0007**	**30**
Osage	**All mfg.**	**8**	**1**	**45.7**	**.0021**	**41**
Ozark	**All mfg.**	**5**		**12.9**	**.0006**	**0**
Pemiscot	**All mfg.**	**6**	**4**	**62.5**	**.0029**	**83**
Perry	**All mfg.**	**9**	**3**	**82.1**	**.0038**	**75**
Pettis	**All mfg.**	**32**	**14**	**383.8**	**.0178**	**73**
Phelps	**All mfg.**	**10**	**3**	**63.3**	**.0029**	**59**
Pike	**All mfg.**	**9**	**4**	**143.1**	**.0066**	**88**
Platte	**All mfg.**	**6**		**32.3**	**.0015**	**0**
Polk	**All mfg.**	**5**	**2**	**35.9**	**.0017**	**66**
Pulaski	**All mfg.**	**7**	**3**	**39.1**	**.0018**	**80**
8062	*General medical & surgical hospitals*	*2*	*1*	*61.2*	*.0339*	*93*
Putnam	**All mfg.**	**2**		**5.4**	**.0003**	**0**
Ralls	**All mfg.**	**2**		**7.1**	**.0003**	**0**
Randolph	**All mfg.**	**14**	**5**	**151.8**	**.0070**	**70**
Ray	**All mfg.**	**6**	**1**	**44.8**	**.0021**	**18**
Reynolds	**All mfg.**	**2**	**1**	**5.2**	**.0002**	**65**
Ripley	**All mfg.**	**3**	**2**	**12.2**	**.0006**	**34**
St. Charles	**All mfg.**	**57**	**11**	**939.2**	**.0436**	**81**
2869	Industrial organic chemicals n.e.c.	1	1	500.4	1.5689	100
3662	Radio & TV communication equipment	1	1	174.7	.5176	100
St. Clair	**All mfg.**	**2**		**6.9**	**.0003**	**0**
Ste. Genevieve	**All mfg.**	**6**	**5**	**133.3**	**.0062**	**99**
St. Francois	**All mfg.**	**19**	**3**	**162.2**	**.0075**	**50**
8062	*General medical & surgical hospitals*	*4*	*4*	*112.1*	*.0620*	*100*
St. Louis	**All mfg.**	**206**	**57**	**2,779.3**	**.1289**	**75**
3585	Refrigeration & heating equipment	4	2	456.0	2.9310	98
3713	Truck & bus bodies	2	1	235.8	2.5737	99
7011	*Hotels, motels, & tourist courts*	*14*	*6*	*56.2*	*.1809*	*77*
8062	*General medical & surgical hospitals*	*3*	*2*	*68.9*	*.0381*	*78*
St. Louis city	**All mfg.**	**880**	**269**	**12,288.5**	**.5699**	**78**
1622	*Bridge & tunnel construction*	*7*	*3*	*249.7*	*3.6966*	*92*
2051	Bread, cake, & related products	10	6	294.5	1.3490	96

1986 S&MM Est

County SIC	Industry	Establishments Total	 Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab
MISSOURI (cont.)						
2082	Malt beverages	1	1	1,625.8	14.4265	100
2711	Newspapers	8	3	72.9	.3298	88
2751	Letterpress commercial printing	32	7	106.1	1.1340	51
2752	Lithographic commercial printing	20	5	120.2	.9300	53
2834	Pharmaceutical preparations	9	7	212.4	.9953	96
2841	Soap & other detergents	13	8	686.5	7.9401	93
2869	Industrial organic chemicals n.e.c.	7	4	325.5	1.0205	92
2899	Chemical preparations n.e.c.	10	3	211.4	1.9860	75
3079	Miscellaneous plastics products	26	8	107.8	.4525	63
3143	Men's nonathletic footwear	1	1	69.9	2.7062	100
3433	Heating equipment, except electric	7	4	104.6	2.2124	88
3441	Fabricated structural metal	13	4	277.9	1.3348	76
3443	Fabricated plate work (boiler shops)	13	5	359.9	2.6482	87
3586	Measuring & dispensing pumps	1	1	87.1	16.6221	100
3613	Switchgear & switchboard apparatus	3	3	112.6	2.2544	100
3621	Motors & generators	8	6	317.3	4.0726	97
3713	Truck & bus bodies	5	3	248.8	2.7156	98
3714	Motor-vehicle parts & accessories	10	3	157.8	.4127	76
3721	Aircraft	1	1	509.7	1.7624	100
3822	Environmental controls	3	2	61.9	3.5878	95
4011	*Line-haul-operating railroads*	*9*	*3*	*1,992.2*	*8.0527*	*98*
4923	*Gas transmission & distribution*	*1*	*1*	*347.2*	*1.3911*	*100*
4931	*Electric & other services combined*	*1*	*1*	*907.7*	*3.0691*	*100*
5084	*Industrial-machinery distributors*	*28*	*1*	*149.4*	*.8775*	*30*
5085	*Industrial-supply distributors*	*27*	*2*	*219.1*	*1.1049*	*52*
6025	*National banks, federal reserve system*	*12*	*5*	*877.2*	*.6356*	*92*
7011	*Hotels, motels, & tourist courts*	*35*	*16*	*239.3*	*.7702*	*89*
7372	*Computer programming & software*	*4*	*2*	*92.4*	*.8085*	*95*
7374	*Data-processing services*	*9*	*3*	*157.4*	*1.9584*	*94*
8062	*General medical & surgical hospitals*	*30*	*28*	*1,791.0*	*.9909*	*100*
8221	*Colleges & universities n.e.c.*	*7*	*4*	*87.5*	*.3278*	*93*
Saline	**All mfg.**	**14**	**5**	**375.1**	**.0174**	**88**
8062	*General medical & surgical hospitals*	*3*	*2*	*75.7*	*.0419*	*96*
Scotland	**All mfg.**	**2**		**7.8**	**.0004**	**0**
Scott	**All mfg.**	**26**	**11**	**262.9**	**.0122**	**67**
Shannon	**All mfg.**	**5**	**3**	**20.5**	**.0010**	**75**
Shelby	**All mfg.**	**2**	**2**	**17.5**	**.0008**	**100**
Stoddard	**All mfg.**	**13**	**6**	**112.8**	**.0052**	**69**
Stone	**All mfg.**	**4**	**3**	**30.4**	**.0014**	**93**
Sullivan	**All mfg.**	**1**	**1**	**37.3**	**.0017**	**100**
Taney	**All mfg.**	**6**	**2**	**79.5**	**.0037**	**32**
Texas	**All mfg.**	**11**	**5**	**103.1**	**.0048**	**84**
Vernon	**All mfg.**	**9**	**5**	**83.8**	**.0039**	**86**
Warren	**All mfg.**	**11**	**4**	**154.3**	**.0072**	**73**
Washington	**All mfg.**	**3**	**1**	**34.0**	**.0016**	**74**
Wayne	**All mfg.**	**8**	**1**	**28.1**	**.0013**	**38**
Webster	**All mfg.**	**13**	**7**	**168.9**	**.0078**	**86**
Worth	**All mfg.**	**1**		**1.9**	**.0001**	**0**
Wright	**All mfg.**	**4**	**4**	**81.1**	**.0038**	**100**
STATE TOTAL	**All mfg.**	**2,899**	**953**	**43,003.5**	**1.9944**	**79**
MONTANA						
Beaverhead	**All mfg.**	**2**	**1**	**23.3**	**.0011**	**36**
Broadwater	**All mfg.**	**2**		**5.6**	**.0003**	**0**
Cascade	**All mfg.**	**16**	**3**	**108.3**	**.0050**	**24**
8062	*General medical & surgical hospitals*	*3*	*3*	*108.4*	*.0600*	*100*
Custer	**All mfg.**	**2**		**7.4**	**.0003**	**0**
Dawson	**All mfg.**	**1**		**2.5**	**.0001**	**0**
Deer Lodge						
8062	*General medical & surgical hospitals*	*2*	*2*	*144.3*	*.0798*	*100*
Fergus	**All mfg.**	**2**		**13.7**	**.0006**	**0**
Flathead	**All mfg.**	**19**	**6**	**441.5**	**.0205**	**80**
3334	Primary aluminum	1	1	293.1	5.3061	100
Gallatin	**All mfg.**	**16**	**2**	**86.3**	**.0040**	**25**
Glacier	**All mfg.**	**2**		**62.5**	**.0029**	**0**
Hill	**All mfg.**	**4**		**18.3**	**.0008**	**0**
Jefferson	**All mfg.**	**2**		**31.3**	**.0015**	**0**
Lake	**All mfg.**	**2**	**1**	**20.1**	**.0009**	**74**
Lewis and Clark	**All mfg.**	**11**	**3**	**94.9**	**.0044**	**54**
Liberty	**All mfg.**	**1**		**2.5**	**.0001**	**0**
Lincoln	**All mfg.**	**5**	**3**	**117.8**	**.0055**	**84**
Mineral	**All mfg.**	**2**	**1**	**21.2**	**.0010**	**89**

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est

County SIC	Industry	Establishments Total	 Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab
Missoula	**All mfg.**	**21**	**5**	**314.4**	**.0146**	**66**
8062	*General medical & surgical hospitals*	*3*	*2*	*71.9*	*.0398*	*92*
Park	**All mfg.**	**3**	**1**	**14.4**	**.0007**	**69**
Pondera	**All mfg.**	**1**		**2.6**	**.0001**	**0**
Powell	**All mfg.**	**1**		**7.6**	**.0004**	**0**
Ravalli	**All mfg.**	**4**		**12.8**	**.0006**	**0**
Richland	**All mfg.**	**7**	**1**	**44.1**	**.0020**	**36**
Roosevelt	**All mfg.**	**4**	**1**	**26.9**	**.0012**	**34**
Sanders	**All mfg.**	**1**		**5.0**	**.0002**	**0**
Silver Bow	**All mfg.**	**5**	**2**	**47.0**	**.0022**	**74**
Stillwater	**All mfg.**	**2**		**7.3**	**.0003**	**0**
Valley	**All mfg.**	**2**		**3.5**	**.0002**	**0**
Yellowstone	**All mfg.**	**33**	**8**	**922.9**	**.0428**	**86**
8062	*General medical & surgical hospitals*	*2*	*2*	*104.5*	*.0578*	*100*
STATE TOTAL	**All mfg.**	**173**	**38**	**2,465.7**	**.1144**	**67**
NEBRASKA						
Adams	**All mfg.**	**23**	**8**	**206.6**	**.0096**	**59**
8062	*General medical & surgical hospitals*	*2*	*2*	*63.5*	*.0351*	*100*
Antelope	**All mfg.**	**1**		**11.9**	**.0006**	**0**
7011	*Hotels, motels, & tourist courts*	*1*	*1*	*49.8*	*.1603*	*100*
Box Butte	**All mfg.**	**8**	**1**	**38.2**	**.0018**	**12**
Buffalo	**All mfg.**	**15**	**9**	**363.8**	**.0169**	**91**
Burt	**All mfg.**	**2**	**1**	**18.3**	**.0008**	**49**
Butler	**All mfg.**	**3**		**24.1**	**.0011**	**0**
Cass	**All mfg.**	**6**	**2**	**116.6**	**.0054**	**68**
Cedar	**All mfg.**	**2**		**21.7**	**.0010**	**0**
Chase	**All mfg.**	**1**		**10.4**	**.0005**	**0**
Cheyenne	**All mfg.**	**6**	**1**	**82.7**	**.0038**	**9**
Clay	**All mfg.**	**1**		**.9**	**.0000**	**0**
Cuming	**All mfg.**	**3**	**2**	**251.2**	**.0116**	**96**
Custer	**All mfg.**	**3**	**1**	**26.4**	**.0012**	**81**
Dakota	**All mfg.**	**7**	**1**	**1,577.5**	**.0732**	**98**
2011	Meat-packing plants	1	1	1,548.8	3.4682	100
Dawson	**All mfg.**	**22**	**6**	**432.5**	**.0201**	**69**
Deuel	**All mfg.**	**1**		**5.4**	**.0003**	**0**
Dixon	**All mfg.**	**1**	**1**	**29.0**	**.0013**	**100**
Dodge	**All mfg.**	**30**	**6**	**464.3**	**.0215**	**58**
Douglas	**All mfg.**	**233**	**69**	**4,306.5**	**.1997**	**79**
1623	*Pipe- & utility-line construction*	*2*	*2*	*539.5*	*9.0823*	*100*
1629	*Heavy construction n.e.c.*	*3*	*1*	*1,870.2*	*7.0863*	*100*
2011	Meat packing plants	15	7	792.9	1.7755	89
3523	Farm machinery & equipment	6	1	298.8	3.0019	90
3661	Telephone & telegraph apparatus	2	1	711.1	3.7364	99
4011	*Line-haul operating railroads*	*2*	*2*	*1,378.6*	*6.3809*	*100*
4911	*Electric services*	*1*	*1*	*428.4*	*.3917*	*100*
6025	*National banks, federal reserve system*	*7*	*3*	*206.2*	*.1494*	*87*
7011	*Hotels, motels, & tourist courts*	*13*	*5*	*58.8*	*.1893*	*85*
8062	*General medical & surgical hospitals*	*10*	*9*	*482.0*	*.2667*	*100*
Fillmore	**All mfg.**	**2**		**11.1**	**.0005**	**0**
Furnas	**All mfg.**	**2**		**22.2**	**.0010**	**0**
Gage	**All mfg.**	**12**	**4**	**131.6**	**.0061**	**49**
Garden	**All mfg.**	**2**	**2**	**13.8**	**.0006**	**100**
Garfield	**All mfg.**	**2**		**11.3**	**.0005**	**0**
Hall	**All mfg.**	**34**	**10**	**1,374.8**	**.0638**	**90**
2011	Meat-packing plants	1	1	791.1	1.7715	100
3523	Farm machinery & equipment	4	1	218.9	2.1992	93
Hamilton	**All mfg.**	**6**	**1**	**32.9**	**.0015**	**27**
Hitchcock	**All mfg.**	**1**	**1**	**11.1**	**.0005**	**100**
Holt	**All mfg.**	**2**	**1**	**20.2**	**.0009**	**55**
Jefferson	**All mfg.**	**7**	**2**	**59.0**	**.0027**	**39**
Johnson	**All mfg.**	**1**	**1**	**38.8**	**.0018**	**100**
Kearney	**All mfg.**	**3**	**1**	**44.2**	**.0020**	**80**
Keith	**All mfg.**	**3**	**1**	**52.5**	**.0024**	**67**
Kimball	**All mfg.**	**1**		**3.1**	**.0001**	**0**
Lancaster	**All mfg.**	**87**	[illegible]	**1,607.5**	**.0746**	**85**
3041	Rubber & plastic hose & belting	1	1	132.3	6.1765	100
8062	*General medical & surgical hospitals*	*7*	*6*	*196.2*	*.1086*	*98*
8221	*Colleges & universities n.e.c.*	*3*	*2*	*68.8*	*.2578*	*96*
Lincoln	**All mfg.**	**4**		**27.0**	**.0013**	**0**
Madison	**All mfg.**	**24**	**10**	**809.2**	**.0375**	**82**
Merrick	**All mfg.**	**1**	**1**	**13.8**	**.0006**	**100**
Morrill	**All mfg.**	**1**	**1**	**33.6**	**.0016**	**100**
Nemaha	**All mfg.**	**7**	**2**	**42.6**	**.0020**	**38**
Nuckolls	**All mfg.**	**3**	**2**	**69.3**	**.0032**	**74**
Otoe	**All mfg.**	**9**	**3**	**112.7**	**.0052**	**48**
Phelps	**All mfg.**	**4**	**2**	**69.1**	**.0032**	**80**
Pierce	**All mfg.**	**2**		**27.0**	**.0013**	**0**
Platte	**All mfg.**	**26**	**7**	**466.1**	**.0216**	**79**
3523	Farm machinery & equipment	5	3	143.7	1.4437	92
Polk	**All mfg.**	**2**		**5.3**	**.0002**	**0**
Red Willow	**All mfg.**	**5**	**1**	**53.5**	**.0025**	**53**
Richardson	**All mfg.**	**7**	**1**	**51.8**	**.0024**	**25**

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship. Recpt.	% In Large Estab.
Rock	**All mfg.**	1		8.3	.0004	0
Saline	**All mfg.**	8	4	370.7	.0172	96
Sarpy	**All mfg.**	9	2	128.6	.0060	72
Saunders	**All mfg.**	3		18.0	.0008	0
Scotts Bluff	**All mfg.**	15	5	265.8	.0123	68
Seward	**All mfg.**	2	2	47.7	.0022	100
Sheridan	**All mfg.**	2		24.4	.0011	0
Thayer	**All mfg.**	2	1	15.4	.0007	90
Thurston	**All mfg.**	3	1	14.0	.0006	46
Valley	**All mfg.**	1		1.2	.0001	0
Washington	**All mfg.**	4	1	49.2	.0023	58
Wayne	**All mfg.**	4		14.4	.0007	0
Wheeler	**All mfg.**	1		5.2	.0002	0
York	**All mfg.**	12	2	82.3	.0038	30
STATE TOTAL	**All mfg.**	695	218	14,248.3	.6608	79

NEVADA

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship. Recpt.	% In Large Estab.
Carson City	**All mfg.**	18	3	110.6	.0051	48
Clark	**All mfg.**	47	12	545.7	.0253	67
4911	*Electric services*	*9*	*3*	*502.9*	*.4598*	*86*
7011	*Hotels, motels, & tourist courts*	*63*	*34*	*1,838.9*	*5.9190*	*83*
8062	*General medical & surgical hospitals*	*8*	*7*	*387.5*	*.2144*	*99*
Douglas	**All mfg.**	2	2	102.3	.0047	100
7011	*Hotels, motels, & tourist courts*	*6*	*6*	*579.6*	*1.8656*	*100*
Elko	**All mfg.**	2		4.8	.0002	0
7011	*Hotels, motels, & tourist courts*	*5*	*2*	*37.7*	*.1213*	*88*
Esmeralda	**All mfg.**	1		1.0	.0000	0
Lander	**All mfg.**	2	1	22.0	.0010	92
Lyon	**All mfg.**	5	1	77.9	.0036	22
Nye	**All mfg.**	2	2	88.9	.0041	100
Pershing	**All mfg.**	1	1	47.6	.0022	100
Washoe	**All mfg.**	50	14	572.0	.0265	66
6025	*National banks, federal reserve system*	*2*	*2*	*273.8*	*.1984*	*100*
7011	*Hotels, motels, & tourist courts*	*26*	*14*	*368.5*	*1.1861*	*95*
8062	*General medical & surgical hospitals*	*3*	*3*	*149.0*	*.0824*	*100*
STATE TOTAL	**All mfg.**	130	36	1,572.8	.0729	68

NEW HAMPSHIRE

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship. Recpt.	% In Large Estab.
Belknap	**All mfg.**	44	18	375.7	.0174	68
Carroll	**All mfg.**	20	6	98.2	.0046	61
Cheshire	**All mfg.**	62	25	696.3	.0323	76
Coos	**All mfg.**	16	8	286.4	.0133	91
2611	Pulp mills	1	1	134.4	2.8665	100
Grafton	**All mfg.**	50	16	299.0	.0139	67
8062	*General medical & surgical hospitals*	*5*	*3*	*100.3*	*.0555*	*91*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*96.9*	*.3630*	*100*
Hillsborough	**All mfg.**	315	122	6,114.3	.2836	86
2641	Paper coating & glazing	2	1	180.7	3.1131	97
3021	Rubber & plastic footwear	3	3	87.8	15.4795	100
3079	Miscellaneous plastics products	13	7	77.9	.3270	80
3554	Paper-industries machinery	3	2	105.9	6.0722	92
3562	Ball & roller bearings	2	2	36.0	.9689	100
3573	Electronic computing equipment	16	9	588.2	1.1392	91
3641	Electric lamps	4	3	326.3	12.9233	98
3662	Radio & TV communication equipment	6	4	1,396.3	4.1370	100
3679	Electronic components n.e.c.	26	15	485.5	2.4820	93
3811	Engineering & scientific instruments	4	2	100.4	2.5826	94
4911	*Electric services*	*2*	*2*	*450.1*	*.4115*	*100*
7011	*Hotels, motels, & tourist courts*	*13*	*4*	*38.5*	*.1239*	*69*
8062	*General medical & surgical hospitals*	*6*	*6*	*199.1*	*.1102*	*100*
8221	*Colleges & universities n.e.c.*	*4*	[illegible]	*77.3*	*.2896*	*88*
Merrimack	**All mfg.**	81	29	843.9	.0391	76
3674	Semiconductors & related devices	1	1	31.5	.2880	100
8062	*General medical & surgical hospitals*	*4*	*4*	*140.7*	*.0778*	*100*
Rockingham	**All mfg.**	124	36	1,539.4	.0714	75
3573	Electronic computing equipment	6	2	210.0	.4067	92
7011	*Hotels, motels, & tourist courts*	*9*	*2*	*85.2*	*.2742*	*91*
8062	*General medical & surgical hospitals*	*4*	*4*	*80.8*	*.0447*	*100*
Strafford	**All mfg.**	58	25	666.3	.0309	84
3079	Miscellaneous plastics products	5	2	86.8	.3643	91
3144	Women's nonathletic footwear	6	5	106.6	5.2528	99
3825	Electricity-measuring instruments	2	2	63.4	1.1383	100
Sullivan	**All mfg.**	38	17	485.6	.0225	81
STATE TOTAL	**All mfg.**	808	302	11,405.1	.5289	82

NEW JERSEY

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship. Recpt.	% In Large Estab.
Atlantic	**All mfg.**	71	23	809.7	.0376	67
3079	Miscellaneous plastics products	6	4	71.3	.2993	95
3262	Vitreous china food utensils	1	1	115.5	30.6691	100
4911	*Electric services*	*1*	*1*	*504.4*	*.4612*	*100*
7011	*Hotels, motels, & tourist courts*	*23*	*14*	*644.8*	*2.0755*	*98*
8062	*General medical & surgical hospitals*	*3*	*3*	*83.7*	*.0463*	*100*
Bergen	**All mfg.**	1,055	316	11,751.1	.5450	71
2051	Bread, cake, & related products	10	2	202.9	1.2739	87
2335	Women's & misses' dresses	11	3	50.8	1.4522	75
2647	Sanitary paper products	1	1	316.6	3.4001	100
2653	Corrugated & solid fiber boxes	12	7	144.1	1.3712	77
2655	Fiber cans, drums, & similar products	2	1	147.4	9.5306	97
2711	Newspapers	9	3	94.8	.4289	90
2731	Book publishing	17	9	266.1	2.7110	78
2732	Book printing	4	3	126.8	3.0107	97
2751	Letterpress commercial printing	25	7	75.1	.8027	59
2752	Lithographic commercial printing	29	5	294.1	2.2755	75
2834	Pharmaceutical preparations	18	10	302.1	1.4156	81
2842	Polishes & sanitation goods	10	6	222.0	3.0126	83
2844	Toilet preparations	18	11	584.9	4.7485	94
3079	Miscellaneous plastics products	39	16	221.3	.9289	75
3444	Sheet-metal work	17	2	86.8	.7324	31
3499	Fabricated metal products n.e.c.	11	5	130.0	1.4723	76
3573	Electronic computing equipment	14	6	171.9	.3329	72
3599	Machinery, except electrical, n.e.c.	16	5	108.7	.9498	78
3621	Motors & generators	4	2	88.7	1.1385	9[illegible]
3662	Radio & TV communication equipment	9	3	95.8	.2838	88
3679	Electronic components n.e.c.	23	5	128.0	.6544	69
3728	Aircraft equipment n.e.c.	6	3	87.6	.7262	85
3811	Engineering & scientific instruments	13	4	69.6	1.7903	76
3841	Surgical & medical instruments	7	4	114.3	2.2587	94
3842	Surgical appliances & supplies	7	4	156.5	2.3487	95
3861	Photographic equipment & supplies	16	3	197.7	1.7411	51
5065	*Electronic-parts wholesalers*	*13*	*3*	*175.2*	*1.7962*	*65*
5084	*Industrial-machinery distributors*	*32*	*3*	*194.0*	*1.1395*	*33*
6025	*National banks, federal reserve system*	*10*	*4*	*399.8*	*.2897*	*73*
7011	*Hotels, motels, & tourist courts*	*17*	*6*	*68.2*	*.2195*	*81*
7374	*Data-processing services*	*12*	*3*	*60.8*	*.7565*	*59*
8062	*General medical & surgical hospitals*	*9*	*8*	*450.7*	*.2494*	*99*
8221	*Colleges & universities n.e.c.*	*4*	*3*	*57.6*	*.2158*	*98*
Burlington	**All mfg.**	207	63	2,281.8	.1058	74
3662	Radio & TV communication equipment	9	4	450.4	1.3345	94
8062	*General medical & surgical hospitals*	*8*	*8*	*373.3*	*.2065*	*100*
Camden	**All mfg.**	305	84	3,142.5	.1457	72
2782	Blankbooks & looseleaf binders	3	1	69.9	3.6894	85
3296	Mineral wool	3	3	196.1	8.3139	100
3573	Electronic computing equipment	7	4	152.8	.2959	87
3662	Radio & TV communication equipment	10	7	350.3	1.0379	96
3679	Electronic components n.e.c.	12	3	74.5	.3809	65
8062	*General medical & surgical hospitals*	*9*	*9*	*349.6*	*.1934*	*100*
Cape May	**All mfg.**	16	2	94.9	.0044	26
8062	*General medical & surgical hospitals*	*2*	*2*	*63.6*	*.0352*	*100*
Cumberland	**All mfg.**	103	44	1,258.8	.0584	76
2311	Men's & boys' suits & coats	6	6	64.9	1.7576	100
3221	Glass containers	6	4	368.9	8.6238	97
3229	Pressed & blown glass n.e.c.	4	1	122.4	3.0106	89
3231	Products of purchased glass	13	5	71.1	2.9958	58
8062	*General medical & surgical hospitals*	*4*	*4*	*93.5*	*.0517*	*100*
Essex	**All mfg.**	761	188	8,684.1	.4027	71
1629	*Heavy construction n.e.c.*	*5*	*3*	*705.4*	*2.6728*	*99*
2082	Malt beverages	2	2	585.7	5.1972	100
2653	Corrugated & solid fiber boxes	9	6	195.1	1.8566	92
2711	Newspapers	4	1	84.4	.3818	92
2751	Letterpress commercial printing	20	3	60.5	.6466	43
2834	Pharmaceutical preparations	10	5	968.7	4.5392	97
2851	Paints & allied products	20	8	401.7	3.5894	77
2865	Cyclic crudes & intermediates	7	4	274.1	3.4892	89
3079	Miscellaneous plastics products	32	8	107.9	.4529	54
3499	Fabricated metal products n.e.c.	10	2	90.2	1.0215	55
3544	Special dies, tools, jigs, & fixtures	18	2	60.9	1.0588	53
3555	Printing-trades machinery	5	3	58.0	2.5434	87
3559	Special-industry machinery n.e.c.	12	3	141.6	1.5811	73
3599	Machinery, except electrical, n.e.c.	11	2	53.1	.4640	58
3641	Electric lamps	3	4	139.7	5.5329	99
3662	Radio & TV communication equipment	12	3	133.7	.3961	75
3679	Electronic components n.e.c.	19	7	315.4	1.6124	87
3911	Precious-metal jewelry	13	7	198.0	4.8548	88
3944	Games, toys, & children's vehicles	3	2	228.1	3.1912	98
6025	*National banks, federal reserve system*	*7*	*2*	*555.9*	*.4028*	*91*
8062	*General medical & surgical hospitals*	*19*	*19*	*956.8*	*.5294*	*100*
8221	*Colleges & universities n.e.c.*	*6*	*6*	*157.8*	*.5912*	*100*
Gloucester	**All mfg.**	109	38	3,767.9	.1747	92
2911	Petroleum refining	2	2	2,421.3	1.7270	100
Hudson	**All mfg.**	571	153	7,089.9	.3288	74
2095	Roasted coffee	2	2	776.4	9.4914	100
2253	Knit-outerwear mills	22	5	95.7	2.5264	46
2337	Women's & misses' suits & coats	27	5	232.0	6.4300	61
2834	Pharmaceutical preparations	2	2	93.9	.4400	100
2844	Toilet preparations	4	3	387.0	3.1418	98
3079	Miscellaneous plastics products	16	4	69.5	.2917	57
3171	Women's handbags & purses	3	3	43.5	11.1854	100
3651	Radio & TV receiving sets	5	4	507.4	6.9255	99
3714	Motor-vehicle parts & accessories	1	1	284.5	.7441	100
3731	Ship building & repairing	3	3	33.2	.4225	100

1986 S&MM Est.

NEW JERSEY (Hudson, cont.)

County SIC	Industry	Establishments		Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
		Total	Large			
3952	Lead pencils & art goods	3	2	49.6	7.9692	89
3999	Manufactures n.e.c.	5	2	125.6	3.0447	94
8062	*General medical & surgical hospitals*	*10*	*10*	*419.1*	*.2319*	*100*
8221	*Colleges & universities n.e.c.*	*3*	*3*	*66.8*	*.2503*	*100*
Hunterdon	**All mfg.**	**70**	**23**	**641.0**	**.0297**	**68**
Mercer	**All mfg.**	**200**	**79**	**3,336.4**	**.1547**	**86**
2711	Newspapers	5	4	98.6	.4461	97
3429	Hardware n.e.c.	1	1	367.1	4.0468	100
3511	Turbines & turbine-generator set units	2	2	187.9	6.7333	100
3573	Electronic computing equipment	5	2	181.4	.3513	88
3585	Refrigeration & heating equipment	3	3	171.1	1.0998	100
3643	Current-carrying wiring devices	2	2	79.0	2.9032	100
3662	Radio & TV communication equipment	5	4	375.1	1.1114	99
6025	*National banks, federal reserve system*	*6*	*3*	*281.4*	*.2039*	*85*
7011	*Hotels, motels, & tourist courts*	*7*	*3*	*33.7*	*.1085*	*84*
8062	*General medical & surgical hospitals*	*6*	*5*	*209.7*	*.1160*	*99*
8221	*Colleges & universities n.e.c.*	*4*	*3*	*118.6*	*.4443*	*96*
Middlesex	**All mfg.**	**585**	**206**	**13,083.6**	**.6068**	**84**
2052	Cookies & crackers	1	1	126.3	2.7430	100
2647	Sanitary paper products	4	2	741.2	7.9600	97
2751	Letterpress commercial printing	12	2	80.0	.8550	76
2819	Industrial inorganic chemicals n.e.c.	10	5	200.1	1.1745	70
2821	Plastics materials & synthetic resins	11	5	429.9	2.0178	84
2824	Noncellulosic synthetic organic fibers	1	1	105.9	1.5085	100
2833	Medicinals & botanicals	2	2	661.9	17.8897	100
2834	Pharmaceutical preparations	12	7	962.3	4.5092	96
2844	Toilet preparations	15	9	544.1	4.4172	93
2869	Industrial organic chemicals n.e.c.	10	4	449.4	1.4090	72
3079	Miscellaneous plastics products	31	12	190.9	.8013	68
3356	Nonferrous rolling & drawing n.e.c.	1	1	256.2	5.9133	100
3357	Nonferrous-wire drawing & insulating	4	3	351.9	5.0028	98
3573	Electronic computing equipment	10	3	152.8	.2959	74
3585	Refrigeration & heating equipment	4	4	124.3	.7990	100
3679	Electronic components n.e.c.	10	5	100.8	.5153	87
3711	Motor vehicles & passenger-car bodies	1	1	1,181.6	1.2316	100
5081	*Commercial-equipment wholesalers*	*8*	*2*	*95.6*	*1.5713*	*91*
6025	*National banks, federal reserve system*	*8*	*3*	*489.8*	*.3549*	*89*
8062	*General medical & surgical hospitals*	*8*	*8*	*352.0*	*.1947*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*164.7*	*.6171*	*100*
Monmouth	**All mfg.**	**239**	**73**	**2,605.1**	**.1208**	**74**
2654	Sanitary food containers	2	1	101.7	4.0109	97
2711	Newspapers	2	1	60.5	.2737	97
3079	Miscellaneous plastics products	14	8	109.2	.4584	85
3221	Glass containers	2	2	123.1	2.8777	100
3573	Electronic computing equipment	8	7	297.2	.5756	97
3662	Radio & TV communication equipment	10	6	74.9	.2219	75
6025	*National banks, federal reserve system*	*4*	*3*	*210.9*	*.1528*	*91*
7372	*Computer programming & software*	*9*	*6*	*185.8*	*1.6257*	*98*
7374	*Data-processing services*	*3*	*3*	*91.9*	*1.1434*	*100*
8062	*General medical & surgical hospitals*	*4*	*4*	*232.7*	*.1287*	*100*
8221	*Colleges & universities n.e.c.*	*2*	*2*	*69.4*	*.2600*	*100*
Morris	**All mfg.**	**301**	**105**	**4,950.6**	**.2296**	**81**
2834	Pharmaceutical preparations	8	7	1,316.0	6.1666	99
2844	Toilet preparations	2	2	222.2	1.8039	100
3079	Miscellaneous plastics products	33	8	99.4	.4172	74
3324	Steel-investment foundries	1	1	198.4	14.7411	100
3613	Switchgear & switchboard apparatus	3	2	132.9	2.6608	97
3662	Radio & TV communication equipment	9	5	248.9	.7374	95
3679	Electronic components n.e.c.	13	5	98.6	.5041	74
3825	Electricity-measuring instruments	5	3	85.1	1.5279	85
4911	*Electric services*	*3*	*1*	*595.8*	*.5447*	*92*
7011	*Hotels, motels, & tourist courts*	*14*	*5*	*70.0*	*.2253*	*79*
8062	*General medical & surgical hospitals*	*7*	*6*	*231.1*	*.1279*	*99*
Ocean	**All mfg.**	**58**	**15**	**817.0**	**.0379**	**80**
2865	Cyclic crudes & intermediates	1	1	338.2	4.3052	100
4912	*Nuclear power*	*1*	*1*	*556.3*	*1.9780*	*100*
8062	*General medical & surgical hospitals*	*5*	*4*	*192.8*	*.1067*	*98*
Passaic	**All mfg.**	**601**	**157**	**5,595.7**	**.2595**	**66**
2051	Bread, cake, & related products	5	2	166.7	1.0466	92
2261	Cotton-finishing plants	13	3	102.0	7.1988	85
2337	Women's & misses' suits & coats	19	4	158.2	4.3846	44
2782	Blankbooks & looseleaf binders	6	4	83.3	4.3967	93
2844	Toilet preparations	3	2	290.7	2.3600	94
2869	Industrial organic chemicals n.e.c.	7	2	154.0	.4828	61
3079	Miscellaneous plastics products	30	10	135.8	.5700	61
3679	Electronic components n.e.c.	20	7	253.4	1.2954	87
6025	*National banks, federal reserve system*	*6*	*4*	*638.1*	*.4624*	*96*
7372	*Computer programming & software*	*3*	*2*	*109.0*	*.9537*	*99*
7374	*Data-processing services*	*3*	*1*	*433.4*	*5.3925*	*97*
8062	*General medical & surgical hospitals*	*6*	*6*	*245.6*	*.1359*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*48.5*	*.1817*	*100*
Salem	**All mfg.**	**23**	**7**	**1,277.4**	**.0592**	**94**
1629	*Heavy construction n.e.c.*	*1*	*1*	*153.[illegible]*	*.5831*	*100*
2869	Industrial organic chemicals n.e.c.	1	1	687.0	2.1539	100
2892	Explosives	1	1	235.5	20.2546	100
4911	*Electric services*	*2*	*1*	*1,236.7*	*1.1307*	*98*
Somerset	**All mfg.**	**124**	**46**	**3,135.7**	**.1454**	**86**
2821	Plastics materials & synthetic resins	2	1	249.4	1.1706	90
2834	Pharmaceutical preparations	4	4	414.2	1.9409	100
2865	Cyclic crudes & intermediates	6	3	505.9	6.4400	90
3559	Special-industry machinery n.e.c.	6	3	106.0	1.1836	93
3674	Semiconductors & related devices	2	2	78.2	.7149	100
3842	Surgical appliances & supplies	2	1	279.4	4.1931	97
Sussex	**All mfg.**	**33**	**12**	**295.3**	**.0137**	**69**
Union	**All mfg.**	**621**	**199**	**12,570.7**	**.5830**	**85**
2431	Millwork	7	3	184.4	3.0130	95
2752	Lithographic commercial printing	12	2	297.9	2.3049	88
2834	Pharmaceutical preparations	13	11	1,325.8	6.2126	99
2911	Petroleum refining	1	1	1,675.6	1.1951	100
3079	Miscellaneous plastics products	45	17	200.1	.8399	71
3452	Bolts, nuts, rivets, & washers	5	4	63.0	1.6306	96
3469	Metal stampings n.e.c.	16	3	80.1	.6859	41
3544	Special dies, tools, jigs, & fixtures	22	3	90.1	1.5664	58
3559	Special-industry machinery n.e.c.	6	3	163.3	1.8234	93
3562	Ball & roller bearings	1	1	130.8	3.5203	100
3679	Electronic components n.e.c.	14	10	579.5	2.9625	97
3711	Motor vehicles & passenger-car bodies	1	1	1,697.5	1.7694	100
5051	*Metals service centers & sales offices*	*9*	*2*	*466.8*	*1.5333*	*77*
8062	*General medical & surgical hospitals*	*8*	*8*	*461.5*	*.2553*	*100*
Warren	**All mfg.**	**68**	**24**	**1,311.3**	**.0608**	**84**
2065	Confectionery products	1	1	141.9	1.8055	100
2833	Medicinals & botanicals	2	1	243.6	6.5840	91
3561	Pumps & pumping equipment	1	1	108.9	1.6288	100
STATE TOTAL	**All mfg.**	**6,121**	**1,857**	**88,500.5**	**4.1044**	**78**

DEFINITIONS: **SIC Industry**: Classification by primary product or service. **Total Establishments**: Those with 20 or more employees. **Large Establishments**: Those with 100 or more employees. **Shipments/Receipts**: Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.**: Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments**: Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.**: Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.**: Not Elsewhere Classified.

NEW MEXICO

County SIC	Industry	Establishments		Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
		Total	Large			
Bernalillo	**All mfg.**	**147**	**48**	**1,976.2**	**.0916**	**82**
1611	*Highway & street construction*	*6*	*4*	*130.4*	*.7540*	*94*
2099	Food preparations n.e.c.	4	3	135.2	1.1550	93
3662	Radio & TV communication equipment	6	3	135.8	.4024	92
3724	Aircraft engines & engine parts	2	1	150.0	1.6686	98
3769	Space-vehicle equipment n.e.c.	2	2	366.2	9.1420	100
4911	*Electric services*	*2*	*2*	*414.4*	*.3789*	*100*
6025	*National banks, federal reserve system*	*5*	*3*	*432.9*	*.3137*	*98*
7011	*Hotels, motels, & tourist courts*	*30*	*5*	*75.5*	*.2430*	*61*
8062	*General medical & surgical hospitals*	*9*	*9*	*435.6*	*.2410*	*100*
Catron	**All mfg.**	**2**	**1**	**18.6**	**.0009**	**75**
Chaves	**All mfg.**	**20**	**4**	**276.6**	**.0128**	**69**
Cibola	**All mfg.**	**6**		**55.9**	**.0026**	**0**
Colfax	**All mfg.**	**5**		**23.4**	**.0011**	**0**
Curry	**All mfg.**	**10**	**2**	**114.5**	**.0053**	**42**
Dona Ana	**All mfg.**	**26**	**8**	**632.7**	**.0293**	**83**
2032	Canned food specialties	1	1	263.5	6.5283	100
8062	*General medical & surgical hospitals*	*2*	*2*	*61.7*	*.0341*	*100*
Eddy	**All mfg.**	**19**	**4**	**529.9**	**.0246**	**86**
Grant	**All mfg.**	**1**		**1.2**	**.0001**	**0**
1021	*Copper-ore mining*	*4*	*3*	*230.6*	*10.5906*	*99*
Hidalgo	**All mfg.**	**1**	**1**	**101.0**	**.0047**	**100**
Lea	**All mfg.**	**12**	**6**	**640.5**	**.0297**	**88**
Lincoln	**All mfg.**	**2**		**6.4**	**.0003**	**0**
Los Alamos	**All mfg.**	**6**	**5**	**632.3**	**.0293**	**100**
2819	Industrial inorganic chemicals n.e.c.	1	1	356.5	2.0926	100
3483	Ammunition, except small-arms, n.e.c.	1	1	88.1	5.9822	100
3662	Radio & TV communication equipment	1	1	82.3	.2438	100
3679	Electronic components n.e.c.	1	1	59.4	.3037	100
3811	Engineering & scientific instruments	1	1	44.1	1.1344	100
Luna	**All mfg.**	**3**	**2**	**101.1**	**.0047**	**93**
McKinley	**All mfg.**	**15**	**3**	**534.8**	**.0248**	**14**
Otero	**All mfg.**	**8**	**2**	**60.9**	**.0028**	**48**
Quay	**All mfg.**	**4**		**44.7**	**.0021**	**0**
Rio Arriba	**All mfg.**	**4**	**1**	**20.2**	**.0009**	**41**
Roosevelt	**All mfg.**	**6**	**2**	**63.2**	**.0029**	**59**
Sandoval	**All mfg.**	**10**	**2**	**79.5**	**.0037**	**55**
8062	*General medical & surgical hospitals*	*1*	*1*	*95.2*	*.0527*	*100*
San Juan	**All mfg.**	**15**	**3**	**293.0**	**.0136**	**44**
San Miguel	**All mfg.**	**4**		**15.2**	**.0007**	**0**
Santa Fe	**All mfg.**	**9**	**3**	**62.8**	**.0029**	**55**
7011	*Hotels, motels, & tourist courts*	*13*	*5*	*35.8*	*.1152*	*72*
Socorro	**All mfg.**	**3**		**15.6**	**.0007**	**0**

1986 S&MM Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Taos	**All mfg.**	**5**		**10.9**	**.0005**	**0**
Torrance	**All mfg.**	**1**		**3.1**	**.0001**	**0**
Valencia	**All mfg.**	**1**		**9.5**	**.0004**	**0**
STATE TOTAL	**All mfg.**	**345**	**97**	**6,323.7**	**.2933**	**73**

NEW YORK

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Albany	**All mfg.**	**119**	**52**	**1,750.3**	**.0812**	**82**
2011	Meat-packing plants	2	2	115.6	.2589	100
3312	Blast furnaces & steel mills	1	1	73.5	.2484	100
4931	*Electric & other services combined*	*2*	*1*	*796.6*	*2.6935*	*96*
6025	*National banks, federal reserve system*	*3*	*2*	*261.5*	*.1895*	*94*
7011	*Hotels, motels, & tourist courts*	*17*	*3*	*37.8*	*.1217*	*53*
8062	*General medical & surgical hospitals*	*6*	*6*	*348.2*	*.1926*	*100*
8221	*Colleges & universities n.e.c.*	*10*	*5*	*249.0*	*.9329*	*94*
Allegany	**All mfg.**	**19**	**9**	**261.9**	**.0121**	**85**
Bronx	**All mfg.**	**298**	**57**	**2,320.5**	**.1076**	**54**
3499	Fabricated metal products n.e.c.	4	1	124.3	1.4077	88
5065	*Electronic-parts wholesalers*	*1*	*1*	*190.7*	*1.9551*	*100*
8062	*General medical & surgical hospitals*	*13*	*13*	*1,175.1*	*.6501*	*100*
8221	*Colleges & universities n.e.c.*	*8*	*6*	*143.7*	*.5384*	*95*
Broome	**All mfg.**	**114**	**48**	**4,134.5**	**.1917**	**95**
1629	*Heavy construction n.e.c.*	*3*	*2*	*153.1*	*.5801*	*98*
3143	Men's nonathletic footwear	2	1	126.5	4.8974	99
3149	Nonrubber footwear n.e.c.	1	1	66.6	3.4468	100
3573	Electronic computing equipment	2	1	1,833.5	3.5509	100
3662	Radio & TV communication equipment	2	2	190.4	.5641	100
3679	Electronic components n.e.c.	7	5	205.1	1.0485	96
3728	Aircraft equipment n.e.c.	3	3	369.7	3.0648	100
3861	Photographic equipment & supplies	3	3	248.9	2.1920	100
8062	*General medical & surgical hospitals*	*4*	*4*	*200.0*	*.1107*	*100*
Cattaraugus	**All mfg.**	**54**	**23**	**636.9**	**.0295**	**80**
3563	Air & gas compressors	1	1	98.1	2.9893	100
Cayuga	**All mfg.**	**36**	**11**	**560.7**	**.0260**	**84**
3674	Semiconductors & related devices	2	2	32.0	.2925	100
Chautauqua	**All mfg.**	**108**	**49**	**1,727.6**	**.0801**	**87**
2033	Canned fruits & vegetables	4	3	223.8	1.4808	98
2511	Wood household furniture	7	5	63.4	.8754	89
3562	Ball & roller bearings	1	1	104.6	2.8152	100
8062	*General medical & surgical hospitals*	*5*	*4*	*98.0*	*.0542*	*96*
Chemung	**All mfg.**	**57**	**21**	**1,051.9**	**.0488**	**82**
3221	Glass containers	1	1	52.0	1.2156	100
3541	Metal-cutting machine tools	1	1	77.9	1.7876	100
8062	*General medical & surgical hospitals*	*2*	*2*	*104.1*	*.0576*	*100*
Chenango	**All mfg.**	**29**	**14**	**683.1**	**.0317**	**90**
2834	Pharmaceutical preparations	1	1	333.7	1.5637	100
Clinton	**All mfg.**	**22**	**12**	**585.4**	**.0271**	**92**
2834	Pharmaceutical preparations	2	2	223.3	1.0464	100
8062	*General medical & surgical hospitals*	*3*	*3*	*84.3*	*.0466*	*100*
Columbia	**All mfg.**	**24**	**12**	**225.8**	**.0105**	**75**
Cortland	**All mfg.**	**25**	**14**	**739.9**	**.0343**	**95**
3579	Office machines n.e.c.	1	1	473.4	4.1605	100
Delaware	**All mfg.**	**24**	**12**	**1,040.4**	**.0483**	**43**
3678	Electronic connectors	1	1	149.2	6.5629	100
3679	Electronic components n.e.c.	1	1	77.3	.3952	100
Dutchess	**All mfg.**	**86**	**32**	**2,498.1**	**.1159**	**91**
3573	Electronic computing equipment	3	1	1,419.8	2.7497	100
3674	Semiconductors & related devices	2	2	293.2	2.6804	100
3679	Electronic components n.e.c.	3	2	265.0	1.3547	99
4931	*Electric & other services combined*	*3*	*3*	*377.3*	*1.2757*	*100*
8062	*General medical & surgical hospitals*	*8*	*7*	*321.7*	*.1780*	*100*
Erie	**All mfg.**	**490**	**188**	**8,229.4**	**.3817**	**82**
2038	Frozen food specialties	2	2	149.8	3.4991	100
2051	Bread, cake, & related products	10	3	94.0	.5902	79
2711	Newspapers	3	1	38.7	.1751	83
2751	Letterpress commercial printing	17	4	141.8	1.5155	82
3011	Tires & inner tubes	1	1	186.0	2.5562	100
3079	Miscellaneous plastics products	14	6	99.1	.4160	79
3312	Blast furnaces & steel mills	3	3	634.2	2.1431	100
3443	Fabricated plate work (boiler shops)	9	7	189.5	1.3944	97
3462	Iron & steel forgings	4	1	103.8	1.9521	90
3465	Automotive stampings	1	1	434.5	4.8733	100
3542	Metal-forming machine tools	3	3	86.9	5.7630	100
3559	Special-industry machinery n.e.c.	4	2	295.4	3.2983	98
3563	Air & gas compressors	2	2	118.6	3.6140	100
3621	Motors & generators	4	3	225.3	2.8918	98
3662	Radio & TV communication equipment	6	3	164.1	.4862	94
3714	Motor-vehicle parts & accessories	7	6	611.3	1.5987	99
3728	Aircraft equipment n.e.c.	5	5	102.7	.8514	100
3944	Games, toys, & children's vehicles	2	2	160.9	2.2510	100
6025	*National banks, federal reserve system*	*6*	*2*	*1,364.0*	*.9884*	*99*
7011	*Hotels, motels, & tourist courts*	*21*	*8*	*94.6*	*.3045*	*76*
8062	*General medical & surgical hospitals*	*20*	*20*	*977.4*	*.5408*	*100*
8221	*Colleges & universities n.e.c.*	*8*	*5*	*233.3*	*.8741*	*97*
Essex	**All mfg.**	**11**	**1**	**149.0**	**.0069**	**56**
Franklin	**All mfg.**	**13**	**4**	**128.0**	**.0059**	**71**
3149	Nonrubber footwear n.e.c.	2	1	54.7	2.8310	98
8062	*General medical & surgical hospitals*	*4*	*4*	*91.7*	*.0507*	*100*
Fulton	**All mfg.**	**56**	**18**	**597.6**	**.0277**	**75**
3111	Leather tanning & finishing	18	4	137.2	6.7417	45
3151	Leather gloves & mittens	13	3	43.1	29.3597	70
3944	Games, toys, & children's vehicles	2	2	222.5	3.1128	100
Genesee	**All mfg.**	**39**	**12**	**451.9**	**.0210**	**60**
8062	*General medical & surgical hospitals*	*3*	*3*	*70.8*	*.0392*	*100*
Greene	**All mfg.**	**16**	**7**	**140.4**	**.0065**	**82**
Hamilton	**All mfg.**	**1**		**5.6**	**.0003**	**0**
Herkimer	**All mfg.**	**32**	**13**	**569.4**	**.0264**	**86**
3484	Small arms	1	1	112.7	8.0644	100
3573	Electronic computing equipment	1	1	190.0	.3680	100
Jefferson	**All mfg.**	**35**	**14**	**552.9**	**.0256**	**75**
2621	Paper mills, except building paper	4	2	157.4	.7832	86
8062	*General medical & surgical hospitals*	*3*	*3*	*98.0*	*.0542*	*100*
Kings	**All mfg.**	**1,106**	**249**	**8,497.3**	**.3941**	**59**
2051	Bread, cake, & related products	10	4	107.5	.6749	81
2062	Cane-sugar refining	2	2	339.8	11.3847	100
2065	Confectionery products	9	4	136.8	1.7406	79
2253	Knit-outerwear mills	48	10	210.7	5.5623	54
2392	House furnishings n.e.c.	14	3	58.0	3.0021	50
2522	Metal office furniture	10	4	96.5	2.8710	70
2541	Wood partitions & fixtures	13	6	102.3	4.8497	74
2652	Set-up paperboard boxes	8	4	42.5	7.7725	89
2731	Book publishing	2	1	310.4	3.1623	98
3079	Miscellaneous plastics products	31	8	107.0	.4491	44
3429	Hardware n.e.c.	8	3	107.8	1.1884	77
3442	Metal doors, sash, & trim	9	3	193.5	2.5985	90
3469	Metal stampings n.e.c.	15	3	77.6	.6645	46
3643	Current-carrying wiring devices	4	2	82.3	3.0245	97
3648	Lighting equipment n.e.c.	7	4	127.0	6.7499	86
3679	Electronic components n.e.c.	7	3	99.8	.5102	94
3731	Ship building & repairing	7	4	110.7	1.4088	52
3942	Dolls & stuffed toy animals	17	7	115.4	22.5523	73
3944	Games, toys, & children's vehicles	10	7	190.2	2.6610	90
3999	Manufactures n.e.c.	20	4	85.9	2.0823	43
4924	*Natural-gas distribution*	*1*	*1*	*749.5*	*3.7072*	*100*
8062	*General medical & surgical hospitals*	*23*	*22*	*1,614.0*	*.8930*	*100*
8221	*Colleges & universities n.e.c.*	*8*	*7*	*213.5*	*.7999*	*99*
Lewis	**All mfg.**	**17**	**9**	**311.6**	**.0145**	**82**
Livingston	**All mfg.**	**25**	**10**	**404.3**	**.0188**	**80**
3443	Fabricated plate work (boiler shops)	1	1	91.7	.6747	100
Madison	**All mfg.**	**23**	**6**	**343.2**	**.0159**	**49**
3914	Silverware & plated & stainless ware	1	1	91.4	16.7369	100
Monroe	**All mfg.**	**345**	**117**	**9,225.8**	**.4279**	**91**
2711	Newspapers	3	1	94.0	.4253	96
2752	Lithographic commercial printing	12	4	108.3	.8379	78
3079	Miscellaneous plastics products	13	4	91.6	.3845	76
3433	Heating equipment, except electric	1	1	452.0	9.5603	100
3541	Metal-cutting machine tools	6	2	56.1	1.2873	76
3544	Special dies, tools, jigs, & fixtures	26	5	93.3	1.6221	43
3559	Special-industry machinery n.e.c.	5	3	135.8	1.5163	95
3573	Electronic computing equipment	8	3	164.1	.3178	80
3592	Carburetors, pistons, rings, & valves	1	1	258.9	15.0226	100
3599	Machinery, except electrical, n.e.c.	13	4	90.4	.7899	67
3662	Radio & TV communication equipment	6	4	225.4	.6678	98
3679	Electronic components n.e.c.	9	3	67.6	.3456	77
3714	Motor-vehicle parts & accessories	1	1	122.0	.3191	100
3823	Industrial process-control instruments	2	2	61.4	1.5386	100
3832	Optical instruments & lenses	7	2	293.1	6.6425	93
3851	Ophthalmic goods	7	5	41.5	4.5330	97
3861	Photographic equipment & supplies	10	9	4,418.3	38.9106	100
6025	*National banks, federal reserve system*	*8*	*4*	*960.5*	*.6960*	*97*
7011	*Hotels, motels, & tourist courts*	*17*	*7*	*72.9*	*.2346*	*78*
8062	*General medical & surgical hospitals*	*8*	*8*	*516.7*	*.2859*	*100*
8221	*Colleges & universities n.e.c.*	*4*	*3*	*104.6*	*.3919*	*99*
Montgomery	**All mfg.**	**53**	**31**	**1,141.5**	**.0529**	**90**
3573	Electronic computing equipment	1	1	175.6	.3401	100
3944	Games, toys, & children's vehicles	2	2	298.0	4.1691	100
Nassau	**All mfg.**	**1,020**	**272**	**11,292.9**	**.5237**	**76**
2711	Newspapers	23	3	76.2	.3447	47
2731	Book publishing	12	5	505.1	5.1458	91
2741	Miscellaneous publishing	18	3	59.3	1.8660	40
2751	Letterpress commercial printing	25	5	80.8	.8636	40
2752	Lithographic commercial printing	25	7	167.2	1.2937	63
2834	Pharmaceutical preparations	19	10	245.4	1.1499	76
2844	Toilet preparations	12	4	197.4	1.6026	73
3079	Miscellaneous plastics products	51	10	170.3	.7148	49
3442	Metal doors, sash, & trim	22	3	141.1	1.8948	42
3444	Sheet-metal work	16	4	107.6	.9080	53
3573	Electronic computing equipment	20	8	249.9	.4840	78
3599	Machinery, except electrical, n.e.c.	31	6	149.3	1.3045	55
3662	Radio & TV communication equipment	27	10	552.4	1.6367	88
3679	Electronic components n.e.c.	44	15	442.1	2.2601	83
3721	Aircraft	3	2	2,056.8	7.1117	100
3728	Aircraft equipment n.e.c.	17	8	180.3	1.4947	88
3811	Engineering & scientific instruments	10	4	54.6	1.4096	66

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship/Recpt	% In Large Estab
NEW YORK (Nassau, cont.)						
3841	Surgical & medical instruments	12	2	45.1	.8912	57
3861	Photographic equipment & supplies	9	2	578.1	5.0911	94
3873	Watches, clocks, & watchcases	3	2	115.4	6.2779	99
3931	Musical instruments & parts	4	2	116.6	7.6620	95
4931	*Electric & other services combined*	4	2	1,481.9	5.0107	99
5065	*Electronic-parts wholesalers*	17	7	341.3	3.4991	77
6025	*National banks, federal reserve system*	7	5	268.6	.1946	97
7011	*Hotels, motels, & tourist courts*	12	4	56.8	.1828	69
7372	*Computer programming & software*	12	4	60.2	.5267	70
7374	*Data-processing services*	9	4	78.9	.9817	87
8062	*General medical & surgical hospitals*	19	19	1,026.8	.5681	100
8221	*Colleges & universities n.e.c.*	10	8	415.7	1.5574	99
New York (Manhattan)	**All mfg.**	**2,443**	**517**	**18,862.2**	**.8748**	**66**
1622	*Bridge & tunnel construction*	6	3	300.9	4.4546	87
1629	*Heavy construction n.e.c.*	20	9	815.6	3.0904	92
2221	Synthetics- & silk-weaving mills	15	3	94.3	1.6043	49
2241	Narrow-fabric mills	20	5	60.1	5.7556	58
2253	Knit-outerwear mills	21	4	103.8	2.7402	56
2311	Men's & boys' suits & coats	31	9	114.6	3.1036	60
2321	Men's & boys' shirts & nightwear	28	6	77.9	2.1727	63
2323	Men's & boys' neckwear	30	4	78.2	23.6540	33
2327	Men's & boys' separate trousers	10	3	60.7	2.3594	65
2329	Men's & boys' clothing n.e.c.	19	7	54.5	3.0728	77
2331	Women's & misses' blouses	41	10	229.0	6.3131	52
2335	Women's & misses' dresses	115	17	299.2	8.5530	40
2337	Women's & misses' suits & coats	64	17	447.6	12.4054	60
2339	Women's & misses' outerwear n.e.c.	57	15	130.9	4.2700	50
2341	Women's & children's underwear	55	8	136.4	5.1788	35
2342	Brassieres, girdles, & allied garments	15	8	78.9	8.6827	77
2351	Millinery	12	3	38.5	49.9351	70
2352	Hats & caps, except millinery	23	2	39.9	8.6513	17
2361	Girls' & children's dresses & blouses	31	12	143.2	11.5085	71
2363	Girls' & children's coats & suits	6	4	27.0	20.7214	90
2369	Girls' & children's outerwear n.e.c.	20	7	68.5	5.9047	76
2371	Fur goods	49	2	260.9	70.8582	12
2384	Robes & dressing gowns	16	4	67.0	15.2100	60
2387	Apparel belts	33	5	145.3	30.5895	46
2391	Curtains & draperies	14	4	45.2	4.7206	51
2392	House furnishings n.e.c	19	5	87.9	4.5497	62
2395	Pleating, stitching, & tucking	24	4	77.1	19.4402	44
2396	Automotive & apparel trimmings	33	1	90.7	6.3449	10
2621	Paper mills, except building paper	5	3	137.0	.6817	92
2711	Newspapers	26	10	1,051.6	4.7575	97
2721	Periodicals	207	51	3,725.9	30.4742	75
2731	Book publishing	94	41	2,219.6	22.6128	87
2741	Miscellaneous publishing	41	11	400.1	12.5901	48
2751	Letterpress commercial printing	138	25	555.0	5.9317	64
2752	Lithographic commercial printing	106	10	513.4	3.9723	35
2753	Engraving & plate printing	9	3	83.4	8.1733	71
2789	Bookbinding & related work	20	3	44.6	5.8800	38
2791	Typesetting	37	6	125.2	12.0803	39
2793	Photoengraving	18	8	133.8	20.3189	82
2842	Polishes & sanitation goods	5	1	460.3	6.2464	95
3171	Women's handbags & purses	29	9	85.4	21.9594	74
3172	Personal leather goods n.e.c.	23	5	55.2	20.7285	48
3429	Hardware n.e.c.	7	2	168.7	1.8597	84
3496	Miscellaneous fabricated wire products	4	1	111.2	2.4757	91
3555	Printing-trades machinery	12	4	84.6	3.7099	72
3652	Phonograph records & pre-recorded tape	15	3	185.8	5.9007	59
3851	Ophthalmic goods	5	2	38.1	4.1617	92
3911	Precious-metal jewelry	99	12	875.2	21.4594	59
3915	Jewelers' materials & lapidary work	20	2	198.0	18.1952	51
3942	Dolls & stuffed toy animals	7	3	74.9	14.6375	78
3961	Costume jewelry	42	8	163.6	10.6844	48
3963	Buttons	18	5	64.8	38.2527	62
3993	Signs & advertising displays	27	4	67.4	2.8440	35
3999	Manufactures n.e.c.	39	2	142.4	3.4520	17
4011	*Line-haul-operating railroads*	13	9	942.0	3.8077	99
4911	*Electric services*	2	2	993.7	.9085	100
4931	*Electric & other services combined*	1	1	1,382.5	4.6746	100
5051	*Metals service centers & sales offices*	54	18	2,646.3	8.6921	75
5063	*Electrical-power-equipment wholesalers*	22	2	212.1	1.6816	48
5081	*Commercial-equipment wholesalers*	33	7	340.4	5.5947	58
5084	*Industrial-machinery distributors*	32	4	405.6	2.3823	56
6025	*National banks, federal reserve system*	30	20	12,828.1	9.2955	99
7011	*Hotels, motels, & tourist courts*	116	72	1,308.5	4.2117	94
7372	*Computer programming & software*	33	9	185.4	1.6222	62
7374	*Data-processing services*	56	12	338.1	4.2067	72
8062	*General medical & surgical hospitals*	34	31	3,418.4	1.8913	100
8221	*Colleges & universities n.e.c.*	32	22	1,054.8	3.9518	97
Niagara	**All mfg.**	**121**	**50**	**3,138.3**	**.1455**	**87**
2821	Plastics materials & synthetic resins	3	3	169.2	.7942	100
2869	Industrial organic chemicals n.e.c.	5	2	275.5	.8638	84
3291	Abrasive products	3	3	234.5	7.7352	100
3714	Motor-vehicle parts & accessories	2	1	848.2	2.2183	99
3728	Aircraft equipment n.e.c.	1	1	71.9	.5960	100
8062	*General medical & surgical hospitals*	5	5	155.7	.0861	100
Oneida	**All mfg.**	**132**	**42**	**1,795.5**	**.0833**	**77**
3546	Power-driven hand tools	1	1	54.4	4.2076	100
3662	Radio & TV communication equipment	3	1	227.7	.6746	92
8062	*General medical & surgical hospitals*	7	6	275.4	.1524	99
8221	*Colleges & universities n.e.c.*	4	3	60.8	.2278	98
Onondaga	**All mfg.**	**246**	**85**	**4,933.7**	**.2288**	**84**
1629	*Heavy construction n.e.c.*	2	1	199.5	.7559	98
2812	Alkalies & chlorine	3	3	193.0	11.6609	100
2844	Toilet preparations	1	1	313.3	2.5435	100
3312	Blast furnaces & steel mills	2	1	130.0	.4393	95
3585	Refrigeration & heating equipment	2	2	1,350.6	8.6811	100
3662	Radio & TV communication equipment	6	3	121.2	.3591	76
3671	Electron tubes	2	2	69.8	4.1035	100
3714	Motor-vehicle parts & accessories	3	2	631.9	1.6526	100
6025	*National banks, federal reserve system*	5	3	438.9	.3180	96
7011	*Hotels, motels, & tourist courts*	15	5	53.5	.1722	73
8062	*General medical & surgical hospitals*	6	6	317.6	.1757	100
8221	*Colleges & universities n.e.c.*	4	2	103.9	.3893	92
Ontario	**All mfg.**	**53**	**18**	**583.6**	**.0271**	**75**
Orange	**All mfg.**	**131**	**45**	**1,428.9**	**.0663**	**73**
8062	*General medical & surgical hospitals*	9	8	206.0	.1140	98
8221	*Colleges & universities n.e.c.*	2	2	83.8	.3140	100
Orleans	**All mfg.**	**18**	**4**	**142.0**	**.0066**	**64**
Oswego	**All mfg.**	**38**	**20**	**1,438.1**	**.0667**	**96**
2066	Chocolate & cocoa products	1	1	243.3	14.7321	100
2082	Malt beverages	1	1	351.0	3.1146	100
4912	*Nuclear power*	3	3	1,944.4	6.9137	100
Otsego	**All mfg.**	**18**	**4**	**109.2**	**.0051**	**41**
8062	*General medical & surgical hospitals*	2	2	71.5	.0396	100
Putnam	**All mfg.**	**16**	**4**	**124.4**	**.0058**	**70**
Queens	**All mfg.**	**858**	**250**	**7,144.0**	**.3313**	**66**
1623	*Pipe- & utility-line construction*	6	3	73.2	1.2323	82
2013	Sausages & other prepared meats	9	4	195.5	1.3981	77
2026	Fluid milk	5	4	214.8	1.0909	93
2051	Bread, cake, & related products	8	6	136.5	.8570	92
2086	Bottled & canned soft drinks	4	3	210.0	1.1060	98
2253	Knit-outerwear mills	29	8	135.7	3.5824	56
2339	Women's & misses' outerwear n.e.c.	6	3	37.1	1.2102	88
2341	Women's & children's underwear	6	4	42.1	1.5985	86
2542	Metal partitions & fixtures	7	2	103.4	4.8051	86
2642	Envelopes	8	4	98.6	4.9035	82
2653	Corrugated & solid fiber boxes	11	5	128.0	1.2180	79
2751	Letterpress commercial printing	25	5	76.5	.8176	43
2782	Blankbooks & looseleaf binders	5	3	81.8	4.3175	94
3079	Miscellaneous plastics products	24	8	106.8	.4483	65
3442	Metal doors, sash, & trim	13	4	106.1	1.4248	59
3643	Current-carrying wiring devices	2	2	44.4	1.6317	100
3662	Radio & TV communication equipment	15	5	141.8	.4201	78
3694	Engine electrical equipment	2	2	149.6	2.8010	100
3993	Signs & advertising displays	16	4	47.5	2.0043	47
3999	Manufactures n.e.c.	10	5	72.8	1.7648	78
4011	*Line-haul-operating railroads*	2	2	204.0	.8246	100
5063	*Electrical-power-equipment wholesalers*	7	2	860.1	6.8193	96
7011	*Hotels, motels, & tourist courts*	10	4	49.8	.1603	64
8062	*General medical & surgical hospitals*	16	15	807.6	.4468	99
8221	*Colleges & universities n.e.c.*	4	4	140.1	.5249	100
Rensselaer	**All mfg.**	**51**	**15**	**636.1**	**.0295**	**76**
8062	*General medical & surgical hospitals*	3	3	103.4	.0572	100
Richmond	**All mfg.**	**32**	**14**	**809.8**	**.0376**	**87**
8062	*General medical & surgical hospitals*	4	4	162.5	.0899	100
Rockland	**All mfg.**	**100**	**43**	**2,076.1**	**.0963**	**89**
2834	Pharmaceutical preparations	3	2	628.1	2.9432	100
2844	Toilet preparations	2	2	207.3	1.6829	100
4931	*Electric & other services combined*	3	1	405.1	1.3697	95
8062	*General medical & surgical hospitals*	5	5	296.2	.1639	100
St. Lawrence	**All mfg.**	**28**	**13**	**827.4**	**.0384**	**92**
3334	Primary aluminum	2	2	521.0	9.4319	100
Saratoga	**All mfg.**	**46**	**19**	**786.2**	**.0365**	**85**
2621	Paper mills, except building paper	5	4	124.2	.6180	97
Schenectady	**All mfg.**	**44**	**18**	**1,299.1**	**.0602**	**92**
3511	Turbines & turbine-generator set units	1	1	620.7	22.2425	100
3621	Motors & generators	1	1	268.6	3.4476	100
8062	*General medical & surgical hospitals*	4	4	148.2	.0820	100
Schoharie	**All mfg.**	**4**	**1**	**12.8**	**.0006**	**41**
Schuyler	**All mfg.**	**6**	**4**	**145.1**	**.0067**	**93**

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

				1986 S&MM Est		
County SIC	Industry	Establishments		Shipments Receipts ($ Mil.)	% Of U.S. Ship Recpt	% In Large Estab
		Total	Large			
Seneca	**All mfg.**	**10**	**4**	**234.6**	**.0109**	**77**
3561	Pumps & pumping equipment	1	1	118.7	1.7753	100
3671	Electron tubes	1	1	38.1	2.2399	100
Steuben	**All mfg.**	**32**	**18**	**1,167.2**	**.0541**	**90**
3229	Pressed & blown glass n.e.c.	3	3	466.6	11.4765	100
3563	Air & gas compressors	1	1	116.3	3.5439	100
8062	*General medical & surgical hospitals*	*5*	*5*	*112.7*	*.0624*	*100*
Suffolk	**All mfg.**	**780**	**242**	**8,457.4**	**.3922**	**76**
2051	Bread, cake, & related products	1	1	116.6	.7321	100
2711	Newspapers	15	3	333.4	1.5082	93
2834	Pharmaceutical preparations	12	8	244.0	1.1434	90
2844	Toilet preparations	9	4	1,203.6	9.7713	96
3079	Miscellaneous plastics products	29	12	124.8	.5238	73
3573	Electronic computing equipment	19	6	242.9	.4704	80
3599	Machinery, except electrical, n.e.c.	16	3	83.2	.7270	56
3651	Radio & TV receiving sets	7	3	122.9	1.6775	87
3662	Radio & TV communication equipment	41	28	616.4	1.8263	89
3674	Semiconductors & related devices	8	4	102.3	.9352	94
3679	Electronic components n.e.c.	34	13	427.3	2.1845	89
3721	Aircraft	2	1	305.6	1.0567	100
3728	Aircraft equipment n.e.c.	24	5	217.1	1.7997	68
3811	Engineering & scientific instruments	13	4	50.1	1.2887	72
3823	Industrial process-control instruments	4	3	217.8	5.4578	99
3825	Electricity-measuring instruments	11	5	222.5	3.9947	93
3841	Surgical & medical instruments	10	5	93.5	1.8476	88
3999	Manufactures n.e.c.	10	5	71.7	1.7381	75
4911	*Electric services*	*9*	*3*	*378.6*	*.3461*	*91*
5065	*Electronic-parts wholesalers*	*12*	*4*	*333.0*	*3.4140*	*77*
7011	*Hotels, motels, & tourist courts*	*13*	*4*	*41.6*	*.1339*	*72*
8062	*General medical & surgical hospitals*	*20*	*19*	*1,285.8*	*.7114*	*100*
8221	*Colleges & universities n.e.c.*	*3*	*2*	*125.2*	*.4691*	*99*
Sullivan	**All mfg.**	**12**	**2**	**141.0**	**.0065**	**44**
7011	*Hotels, motels, & tourist courts*	*14*	*9*	*142.1*	*.4574*	*96*
Tioga	**All mfg.**	**11**	**3**	**57.0**	**.0026**	**49**
7372	*Computer programming & software*	*1*	*1*	*399.3*	*3.4938*	*100*
Tompkins	**All mfg.**	**24**	**5**	**291.5**	**.0135**	**73**
4931	*Electric & other services combined*	*2*	*1*	*728.8*	*2.4642*	*99*
8221	*Colleges & universities n.e.c.*	*2*	*2*	*102.3*	*.3833*	*100*
Ulster	**All mfg.**	**69**	**21**	**675.1**	**.0313**	**73**
7011	*Hotels, motels, & tourist courts*	*12*	*5*	*38.6*	*.1242*	*71*
8062	*General medical & surgical hospitals*	*3*	*3*	*64.6*	*.0357*	*100*
Warren	**All mfg.**	**32**	**14**	**531.7**	**.0247**	**90**
8062	*General medical & surgical hospitals*	*1*	*1*	*70.8*	*.0392*	*100*
Washington	**All mfg.**	**19**	**13**	**312.4**	**.0145**	**94**
Wayne	**All mfg.**	**44**	**21**	**713.1**	**.0331**	**84**
2033	Canned fruits & vegetables	12	9	294.0	1.9453	92
3079	Miscellaneous plastics products	3	1	100.4	.4214	96
3293	Gaskets, packing, & sealing devices	2	2	55.0	2.6733	100
Westchester	**All mfg.**	**439**	**120**	**5,805.2**	**.2692**	**78**
2711	Newspapers	14	3	134.3	.6076	83
2721	Periodicals	5	1	395.1	3.2315	93
2834	Pharmaceutical preparations	5	4	199.1	.9330	96
3357	Nonferrous-wire drawing & insulating	6	4	126.0	1.7913	91
3573	Electronic computing equipment	6	1	220.0	.4261	91
3711	Motor vehicles & passenger-car bodies	1	1	1,559.0	1.6250	100
3811	Engineering & scientific instruments	6	5	37.0	.9517	98
4912	*Nuclear power*	*2*	*2*	*1,965.4*	*6.9884*	*100*
5063	*Electrical-power-equipment wholesalers*	*14*	*2*	*178.8*	*1.4176*	*59*
5081	*Commercial-equipment wholesalers*	*9*	*3*	*173.9*	*2.8582*	*63*
6025	*National banks, federal reserve system*	*5*	*3*	*423.2*	*.3067*	*96*
7011	*Hotels, motels, & tourist courts*	*15*	*4*	*50.7*	*.1632*	*54*
7372	*Computer programming & software*	*9*	*4*	*1,106.8*	*9.6842*	*98*
8062	*General medical & surgical hospitals*	*20*	*16*	*701.9*	*.3883*	*98*
8221	*Colleges & universities n.e.c.*	*9*	*4*	*118.0*	*.4421*	*66*
Wyoming	**All mfg.**	**17**	**7**	**327.1**	**.0152**	**86**
3694	Engine electrical equipment	1	1	151.6	2.8384	100
Yates	**All mfg.**	**5**	**3**	**110.3**	**.0051**	**59**
STATE TOTAL	**All mfg.**	**10,176**	**2,956**	**125,373.9**	**5.8144**	**77**

NORTH CAROLINA

				1986 S&MM Est		
County SIC	Industry	Establishments		Shipments Receipts ($ Mil.)	% Of U.S. Ship Recpt	% In Large Estab
		Total	Large			
Alamance	**All mfg.**	**145**	**66**	**1,755.4**	**.0814**	**81**
2211	Cotton-weaving mills	4	4	98.9	2.0269	100
2221	Synthetics- & silk-weaving mills	3	3	188.2	3.2017	100
2252	Hosiery n.e.c.	21	11	158.7	9.8254	83
2281	Yarn-spinning mills, except wool	7	3	88.9	1.7459	89
2282	Throwing & winding mills, except wool	6	4	162.5	6.8597	92
3662	Radio & TV communication equipment	1	1	99.3	.2942	100
Alexander	**All mfg.**	**28**	**11**	**207.1**	**.0096**	**83**
2512	Upholstered wood household furniture	9	5	86.7	1.7229	91
Alleghany	**All mfg.**	**6**	**3**	**84.6**	**.0039**	**74**
Anson	**All mfg.**	**23**	**11**	**192.6**	**.0089**	**71**
Ashe	**All mfg.**	**10**	**6**	**165.1**	**.0077**	**92**
Avery	**All mfg.**	**7**	**4**	**68.1**	**.0032**	**88**
Beaufort	**All mfg.**	**27**	**13**	**763.4**	**.0354**	**92**
2281	Yarn-spinning mills, except wool	1	1	96.4	1.8932	100
3634	Electric housewares & fans	1	1	137.4	3.5722	100
Bertie	**All mfg.**	**12**	**6**	**261.2**	**.0121**	**91**
2016	Poultry-dressing plants	1	1	152.4	2.2505	100
Bladen	**All mfg.**	**18**	**8**	**170.6**	**.0079**	**78**
Brunswick	**All mfg.**	**10**	**2**	**119.7**	**.0056**	**69**
4912	*Nuclear power*	*2*	*2*	*1,251.8*	*4.4511*	*100*
Buncombe	**All mfg.**	**126**	**54**	**1,496.4**	**.0694**	**77**
2221	Synthetics- & silk-weaving mills	5	4	106.6	1.8135	97
2231	Wool-fabric weaving & finishing mills	1	1	59.9	3.7508	100
3613	Switchgear & switchboard apparatus	2	2	99.8	1.9981	100
3622	Industrial controls	2	2	124.5	2.3783	100
8062	*General medical & surgical hospitals*	*6*	*6*	*192.4*	*.1064*	*100*
Burke	**All mfg.**	**62**	**34**	**784.3**	**.0364**	**89**
2251	Women's full- & knee-length hosiery	3	2	54.0	3.5510	93
2341	Women's & children's underwear	2	1	95.9	3.6411	99
2511	Wood household furniture	4	4	47.2	.6517	100
2512	Upholstered wood household furniture	7	6	87.1	1.7309	99
8062	*General medical & surgical hospitals*	*3*	*3*	*126.9*	*.0702*	*100*
Cabarrus	**All mfg.**	**42**	**18**	**645.3**	**.0299**	**85**
2211	Cotton-weaving mills	4	4	212.7	4.3592	100
Caldwell	**All mfg.**	**57**	**33**	**750.4**	**.0348**	**85**
2511	Wood household furniture	12	12	335.4	4.6309	100
2512	Upholstered wood household furniture	5	4	81.9	1.6276	98
Carteret	**All mfg.**	**19**	**5**	**124.1**	**.0058**	**50**
Caswell	**All mfg.**	**3**	**1**	**31.0**	**.0014**	**70**
Catawba	**All mfg.**	**243**	**116**	**2,376.2**	**.1102**	**83**
2251	Women's full- & knee-length hosiery	6	3	50.5	3.3208	87
2252	Hosiery n.e.c.	34	9	135.9	8.4138	56
2511	Wood household furniture	14	10	228.4	3.1536	93
2512	Upholstered wood household furniture	51	34	491.8	9.7733	90
3612	Transformers	1	1	45.4	1.6074	100
8062	*General medical & surgical hospitals*	*3*	*2*	*92.8*	*.0513*	*95*
Chatham	**All mfg.**	**2[illegible]**	**12**	**253.3**	**.0117**	**79**
Cherokee	**All mfg.**	**14**	**8**	**177.5**	**.0082**	**79**
Chowan	**All mfg.**	**11**	**6**	**84.9**	**.0039**	**73**
Clay	**All mfg.**	**5**	**2**	**29.9**	**.0014**	**53**
Cleveland	**All mfg.**	**87**	**45**	**1,261.0**	**.0585**	**86**
2221	Synthetics- & silk-weaving mills	6	6	193.9	3.2987	100
2281	Yarn-spinning mills, except wool	11	9	194.4	3.8179	98
3229	Pressed & blown glass n.e.c.	1	1	116.4	2.8630	100
Columbus	**All mfg.**	**27**	**12**	**531.8**	**.0247**	**88**
2631	Paperboard mills	1	1	242.5	2.9907	100
2651	Folding paperboard boxes	1	1	83.2	1.9030	100
Craven	**All mfg.**	**29**	**10**	**341.2**	**.0158**	**75**
3732	Boat building & repairing	3	3	85.6	3.9217	100
Cumberland	**All mfg.**	**53**	**26**	**1,068.8**	**.0496**	**83**
3011	Tires & inner tubes	1	1	267.2	3.6722	100
8062	*General medical & surgical hospitals*	*3*	*3*	*149.9*	*.0829*	*100*
Dare	**All mfg.**	**3**		**5.3**	**.0002**	**0**
Davidson	**All mfg.**	**106**	**49**	**1,537.9**	**.0713**	**76**
2252	Hosiery n.e.c.	10	6	63.9	3.9562	80
2511	Wood household furniture	11	10	394.1	5.4414	99
3229	Pressed & blown glass n.e.c.	1	1	145.5	3.5787	100
Davie	**All mfg.**	**21**	**10**	**362.3**	**.0168**	**88**
Duplin	**All mfg.**	**29**	**15**	**415.7**	**.0193**	**79**
Durham	**All mfg.**	**67**	**20**	**4,281.3**	**.1986**	**94**
2111	Cigarettes	2	2	1,023.1	7.8542	100
3573	Electronic computing equipment	1	1	1,664.3	3.2232	100
3661	Telephone & telegraph apparatus	1	1	842.7	4.4279	100
8062	*General medical & surgical hospitals*	*4*	*3*	*170.4*	*.0943*	*97*
Edgecombe	**All mfg.**	**59**	**34**	**1,164.5**	**.0540**	**86**
2281	Yarn-spinning mills, except wool	2	2	55.7	1.0939	100
2834	Pharmaceutical preparations	1	1	307.7	1.4419	100
Forsyth	**All mfg.**	**146**	**61**	**8,514.5**	**.3949**	**96**
2111	Cigarettes	1	1	4,789.7	36.7697	100
2131	Chewing & smoking tobacco & snuff	3	3	381.6	39.4459	100
2251	Women's full- & knee-length hosiery	3	3	217.8	14.3224	100
3353	Aluminum sheet, plate, & foil	1	1	626.8	11.6179	100
3511	Turbines & turbine-generator set units	2	2	212.8	7.6256	100
3661	Telephone & telegraph apparatus	1	1	776.5	4.0801	100
8062	*General medical & surgical hospitals*	*3*	*3*	*225.1*	*.1245*	*100*
Franklin	**All mfg.**	**21**	**10**	**198.2**	**.0092**	**77**
Gaston	**All mfg.**	**232**	**110**	**2,377.6**	**.1103**	**81**
2253	Knit-outerwear mills	5	5	80.8	2.1331	100
2261	Cotton-finishing plants	3	2	27.6	1.9479	97
2281	Yarn-spinning mills, except wool	45	42	587.1	11.5303	98
2284	Thread mills	8	5	52.4	11.1347	83
2296	Tire cord & fabric	1	1	141.6	8.4406	100
3552	Textile machinery	31	3	121.3	7.0372	43
3714	Motor-vehicle parts & accessories	2	2	60.9	.1593	100
Gates	**All mfg.**	**3**		**7.4**	**.0003**	**0**
Graham	**All mfg.**	**5**	**4**	**61.0**	**.0028**	**94**
Granville	**All mfg.**	**33**	**21**	**796.9**	**.0370**	**93**
8062	*General medical & surgical hospitals*	*2*	*2*	*75.3*	*.0417*	*100*
Greene	**All mfg.**	**8**	**4**	**47.1**	**.0022**	**66**
Guilford	**All mfg.**	**410**	**138**	**5,711.0**	**.2649**	**78**
2111	Cigarettes	1	1	1,245.0	9.5577	100

1986 S&MM Est.

NORTH CAROLINA (Guilford, cont.)

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
2211	Cotton-weaving mills	4	3	134.7	2.7606	99
2252	Hosiery n.e.c.	9	5	104.3	6.4574	90
2261	Cotton-finishing plants	2	1	41.1	2.9007	97
2295	Coated fabrics, not rubberized	1	1	184.3	10.5044	100
2341	Women's & children's underwear	4	2	45.8	1.7389	92
2511	Wood household furniture	10	6	90.2	1.2454	83
2512	Upholstered wood household furniture	35	12	201.1	3.9963	70
2521	Wood office furniture	2	2	65.7	2.8008	100
2649	Converted paper products n.e.c.	5	2	121.1	2.5375	81
3079	Miscellaneous plastics products	15	6	83.6	.3509	72
3552	Textile machinery	8	2	55.3	3.2082	85
3586	Measuring & dispensing pumps	1	1	134.1	25.5916	100
7011	*Hotels, motels, & tourist courts*	*21*	*5*	*55.9*	*.1799*	*64*
8062	*General medical & surgical hospitals*	*5*	*4*	*219.0*	*.1212*	*98*
Halifax	**All mfg.**	**37**	**20**	**523.2**	**.0243**	**83**
2211	Cotton-weaving mills	2	2	40.2	.8239	100
2221	Synthetics- & silk-weaving mills	1	1	80.8	1.3746	100
Harnett	**All mfg.**	**35**	**17**	**411.3**	**.0191**	**78**
2211	Cotton-weaving mills	1	1	24.0	.4919	100
Haywood	**All mfg.**	**15**	**6**	**848.3**	**.0393**	**95**
2611	Pulp mills	1	1	282.2	6.0187	100
2621	Paper mills, except building paper	1	1	319.9	1.5918	100
3041	Rubber & plastic hose & belting	1	1	137.5	6.4192	100
Henderson	**All mfg.**	**44**	**19**	**589.8**	**.0274**	**85**
3648	Lighting equipment n.e.c.	1	1	107.0	5.6870	100
Hertford	**All mfg.**	**18**	**8**	**221.5**	**.0103**	**60**
Hoke	**All mfg.**	**8**	**6**	**176.8**	**.0082**	**93**
Hyde	**All mfg.**	**3**		**12.3**	**.0006**	**0**
Iredell	**All mfg.**	**104**	**40**	**1,059.7**	**.0491**	**74**
2221	Synthetics- & silk-weaving mills	2	2	85.4	1.4529	100
2281	Yarn-spinning mills, except wool	3	3	62.5	1.2275	100
Jackson	**All mfg.**	**7**	**2**	**48.9**	**.0023**	**49**
Johnston	**All mfg.**	**50**	**22**	**844.6**	**.0392**	**82**
2321	Men's & boys' shirts & nightwear	4	3	35.9	1.0013	92
Jones	**All mfg.**	**3**		**12.3**	**.0006**	**0**
Lee	**All mfg.**	**55**	**26**	**814.2**	**.0378**	**82**
2844	Toilet preparations	2	2	254.4	2.0653	100
Lenoir	**All mfg.**	**39**	**14**	**804.7**	**.0373**	**84**
2321	Men's & boys' shirts & nightwear	2	2	90.7	2.5297	100
2824	Noncellulosic synthetic organic fibers	1	1	300.9	4.2863	100
8062	*General medical & surgical hospitals*	*2*	*2*	*102.3*	*.0566*	*100*
Lincoln	**All mfg.**	**41**	**19**	**372.2**	**.0173**	**75**
McDowell	**All mfg.**	**34**	**18**	**418.8**	**.0194**	**90**
2511	Wood household furniture	3	3	39.8	.5495	100
2834	Pharmaceutical preparations	1	1	102.6	.4808	100
Macon	**All mfg.**	**8**	**5**	**70.8**	**.0033**	**72**
Madison	**All mfg.**	**4**	**2**	**29.7**	**.0014**	**90**
Martin	**All mfg.**	**15**	**10**	**300.6**	**.0139**	**91**
Mecklenburg	**All mfg.**	**371**	**112**	**5,261.1**	**.2440**	**77**
1611	*Highway & street construction*	*5*	*2*	*72.3*	*.4180*	*89*
1629	*Heavy construction n.e.c.*	*5*	*2*	*353.8*	*1.3406*	*85*
2051	Bread, cake, & related products	3	3	73.1	.4590	100
2052	Cookies & crackers	2	2	187.9	4.0808	100
2711	Newspapers	2	1	78.8	.3565	89
3011	Tires & inner tubes	1	1	231.0	3.1747	100
3079	Miscellaneous plastics products	11	7	98.3	.4126	91
3552	Textile machinery	14	6	101.7	5.9001	70
4911	*Electric services*	*2*	*1*	*1,350.7*	*1.2349*	*99*
5084	*Industrial-machinery distributors*	*37*	*5*	*295.9*	*1.7380*	*36*
6025	*National banks, federal reserve system*	*4*	*2*	*9,381.8*	*6.7983*	*100*
7011	*Hotels, motels, & tourist courts*	*27*	*10*	*114.4*	*.3682*	*79*
8062	*General medical & surgical hospitals*	*7*	*6*	*431.4*	*.2387*	*96*
Mitchell	**All mfg.**	**14**	**7**	**154.8**	**.0072**	**81**
Montgomery	**All mfg.**	**38**	**18**	**319.2**	**.0148**	**83**
2252	Hosiery n.e.c.	9	5	114.8	7.1075	92
Moore	**All mfg.**	**45**	**16**	**553.9**	**.0257**	**79**
Nash	**All mfg.**	**43**	**20**	**434.3**	**.0201**	**78**
3429	Hardware n.e.c.	2	2	88.4	.9745	100
New Hanover	**All mfg.**	**61**	**23**	**1,507.5**	**.0699**	**65**
2819	Industrial inorganic chemicals n.e.c.	3	2	262.9	1.5432	89
2824	Noncellulosic synthetic organic fibers	1	1	240.8	3.4302	100
3229	Pressed & blown glass n.e.c.	1	1	59.9	1.4733	100
8062	*General medical & surgical hospitals*	*2*	*2*	*88.9*	*.0492*	*100*
Northampton	**All mfg.**	**18**	**5**	**107.2**	**.0050**	**41**

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Onslow	**All mfg.**	**18**	**13**	**309.6**	**.0144**	**92**
8062	*General medical & surgical hospitals*	*2*	*2*	*69.5*	*.0385*	*100*
Orange	**All mfg.**	**17**	**6**	**120.1**	**.0056**	**67**
8062	*General medical & surgical hospitals*	*1*	*1*	*163.0*	*.0902*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*242.3*	*.9078*	*100*
Pamlico	**All mfg.**	**8**	**1**	**42.9**	**.0020**	**28**
Pasquotank	**All mfg.**	**17**	**1**	**78.5**	**.0036**	**11**
Pender	**All mfg.**	**8**	**2**	**44.2**	**.0020**	**53**
Perquimans	**All mfg.**	**1**	**1**	**12.0**	**.0006**	**100**
Person	**All mfg.**	**19**	**8**	**307.1**	**.0142**	**85**
2231	Wool-fabric weaving & finishing mills	1	1	59.2	3.7070	100
Pitt	**All mfg.**	**46**	**21**	**1,259.9**	**.0584**	**91**
2834	Pharmaceutical preparations	1	1	179.1	.8392	100
8062	*General medical & surgical hospitals*	*1*	*1*	*97.4*	*.0539*	*100*
Polk	**All mfg.**	**10**	**5**	**90.9**	**.0042**	**80**
Randolph	**All mfg.**	**113**	**49**	**1,214.2**	**.0563**	**81**
2251	Women's full- & knee-length hosiery	17	7	139.6	9.1800	80
2512	Upholstered wood household furniture	5	2	165.8	3.2948	95
3011	Tires & inner tubes	3	2	1[illegible]5.3	1.7220	89
Richmond	**All mfg.**	**46**	**22**	**598.0**	**.0277**	**78**
2221	Synthetics- & silk-weaving mills	3	3	89.4	1.5209	100
2511	Wood household furniture	1	1	70.3	.9706	100
Robeson	**All mfg.**	**78**	**43**	**1,066.9**	**.0495**	**85**
2281	Yarn-spinning mills, except wool	3	3	65.7	1.2903	100
Rockingham	**All mfg.**	**50**	**32**	**1,535.5**	**.0712**	**96**
2082	Malt beverages	1	1	330.6	2.9336	100
2111	Cigarettes	1	1	421.9	3.2389	100
2211	Cotton-weaving mills	3	3	30.6	.6271	100
2254	Knit-underwear mills	2	2	48.8	4.2564	100
2281	Yarn-spinning mills, except wool	3	3	91.2	1.7911	100
2282	Throwing & winding mills, except wool	5	5	254.7	10.7518	100
Rowan	**All mfg.**	**78**	**42**	**1,259.8**	**.0584**	**86**
2211	Cotton-weaving mills	3	3	55.4	1.1354	100
2281	Yarn-spinning mills, except wool	6	5	194.9	3.8277	99
2824	Noncellulosic synthetic organic fibers	1	1	287.5	4.0954	100
8062	*General medical & surgical hospitals*	*1*	*1*	*64.9*	*.0359*	*100*
Rutherford	**All mfg.**	**41**	**25**	**500.9**	**.0232**	**85**
2211	Cotton-weaving mills	7	7	181.0	3.7095	100
2221	Synthetics- & silk-weaving mills	2	2	34.6	.5886	100
Sampson	**All mfg.**	**27**	**11**	**381.4**	**.0177**	**85**
Scotland	**All mfg.**	**23**	**13**	**459.4**	**.0213**	**84**
2211	Cotton-weaving mills	2	2	43.6	.8936	100
Stanly	**All mfg.**	**51**	**25**	**701.4**	**.0325**	**83**
2281	Yarn-spinning mills, except wool	4	4	55.1	1.0821	100
2321	Men's & boys' shirts & nightwear	3	3	49.7	1.3862	100
Stokes	**All mfg.**	**8**	**2**	**56.9**	**.0026**	**74**
Surry	**All mfg.**	**58**	**30**	**952.5**	**.0442**	**87**
2231	Wool-fabric weaving & finishing mills	1	1	102.5	6.4183	100
2252	Hosiery n.e.c.	9	5	174.2	10.7850	92
2253	Knit-outerwear mills	5	3	154.9	4.0892	97
2339	Women's & misses' outerwear n.e.c.	3	3	35.4	1.1547	100
2511	Wood household furniture	4	3	63.6	.8781	99
3634	Electric housewares & fans	1	1	115.9	3.0132	100
Swain	**All mfg.**	**8**	**5**	**58.1**	**.0027**	**80**
Transylvania	**All mfg.**	**7**	**5**	**321.0**	**.0149**	**97**
2621	Paper mills, except building paper	2	2	172.7	.8594	100
3861	Photographic equipment & supplies	1	1	118.2	1.0410	100
Tyrrell	**All mfg.**	**2**		**8.6**	**.0004**	**0**
Union	**All mfg.**	**66**	**33**	**706.4**	**.0328**	**76**
2016	Poultry-dressing plants	2	2	49.0	.7236	100
Vance	**All mfg.**	**41**	**14**	**518.8**	**.0241**	**74**
2251	Women's full- & knee-length hosiery	3	1	81.0	5.3265	95
2281	Yarn-spinning mills, except wool	2	2	119.1	2.3391	100
Wake	**All mfg.**	**154**	**67**	**2,475.8**	**.1148**	**84**
3573	Electronic computing equipment	7	2	224.6	.4350	94
3661	Telephone & telegraph apparatus	2	1	181.4	.9532	97
3825	Electricity-measuring instruments	1	1	102.5	1.8402	100
4911	*Electric services*	*2*	*1*	*202.1*	*.1848*	*93*
6025	*National banks, federal reserve system*	*1*	*1*	*219.0*	*.1587*	*100*
7011	*Hotels, motels, & tourist courts*	*20*	*1*	*37.8*	*.1217*	*19*
8062	*General medical & surgical hospitals*	*4*	*4*	*298.0*	*.1649*	*100*
8221	*Colleges & universities n.e.c.*	*4*	*2*	*71.9*	*.2694*	*94*
Warren	**All mfg.**	**8**	**6**	**48.5**	**.0022**	**87**
Washington	**All mfg.**	**9**	**6**	**442.1**	**.0205**	**96**
2631	Paperboard mills	1	1	328.4	4.0501	100
Watauga	**All mfg.**	**10**	**5**	**164.3**	**.0067**	**85**
Wayne	**All mfg.**	**56**	**26**	**594.5**	**.0276**	**81**
8062	*General medical & surgical hospitals*	*4*	*4*	*127.4*	*.0705*	*100*
Wilkes	**All mfg.**	**32**	**16**	**537.8**	**.0249**	**89**
2016	Poultry-dressing plants	2	2	212.6	3.1394	100
2511	Wood household furniture	1	1	74.4	1.0273	100
Wilson	**All mfg.**	**50**	**20**	**1,042.3**	**.0483**	**81**
2141	Tobacco stemming & redrying	4	3	330.7	9.8000	86
3011	Tires & inner tubes	1	1	140.7	1.9337	100
8062	*General medical & surgical hospitals*	*2*	*2*	*56.7*	*.0314*	*100*

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Yadkin	All mfg.	12	4	216.1	.0100	90
Yancey	All mfg.	7	4	58.2	.0027	72
STATE TOTAL	All mfg.	4,516	1,986	73,286.9	3.3988	84

NORTH DAKOTA

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Adams	All mfg.	1		6.8	.0003	0
Barnes	All mfg.	2		2.9	.0001	0
Benson	All mfg.	2	1	31.6	.0015	95
Bottineau	All mfg.	2		7.5	.0003	0
Burke	All mfg.	1		12.7	.0006	0
Burleigh	All mfg.	23	4	233.7	.0108	19
8062	*General medical & surgical hospitals*	*2*	*2*	*91.7*	*.0507*	*100*
Cass	All mfg.	41	8	429.3	.0199	45
3523	Farm machinery & equipment	5	2	113.0	1.1353	81
8062	*General medical & surgical hospitals*	*4*	*4*	*145.9*	*.0807*	*100*
Dickey	All mfg.	2		11.1	.0005	0
Eddy	All mfg.	1		2.2	.0001	0
Grand Forks	All mfg.	21	4	238.6	.0111	49
8062	*General medical & surgical hospitals*	*4*	*3*	*87.2*	*.0482*	*98*
Griggs	All mfg.	1	1	17.2	.0008	100
McHenry	All mfg.	1		10.8	.0005	0
McIntosh	All mfg.	1		3.8	.0002	0
McLean	All mfg.	1		1.6	.0001	0
Morton	All mfg.	12	1	320.2	.0148	81
Mountrail	All mfg.	1		6.7	.0003	0
Nelson	All mfg.	1		5.4	.0003	0
Pembina	All mfg.	3	1	29.8	.0014	58
Pierce	All mfg.	1		1.6	.0001	0
Ramsey	All mfg.	5		15.3	.0007	0
Ransom	All mfg.	2		35.5	.0016	0
Richland	All mfg.	9	3	76.9	.0036	65
Rolette	All mfg.	2	2	24.2	.0011	100
Sargent	All mfg.	2	1	12.4	.0006	80
Sioux	All mfg.	1		8.1	.0004	0
Stark	All mfg.	8	1	85.8	.0040	68
Stutsman	All mfg.	10	3	92.7	.0043	54
8062	*General medical & surgical hospitals*	*2*	*2*	*61.1*	*.0338*	*100*
Traill	All mfg.	2	1	25.7	.0012	91
Walsh	All mfg.	1		3.8	.0002	0
8062	*General medical & surgical hospitals*	*3*	*1*	*74.1*	*.0410*	*89*
Ward	All mfg.	9	2	60.0	.0028	36
8062	*General medical & surgical hospitals*	*4*	*3*	*79.6*	*.0440*	*96*
Williams	All mfg.	5	1	22.3	.0010	49
STATE TOTAL	All mfg.	174	34	1,836.2	.0852	50

OHIO

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
Adams	All mfg.	5		27.5	.0013	0
Allen	All mfg.	91	43	3,749.6	.1739	94
3621	Motors & generators	3	3	47.2	.6058	100
3714	Motor-vehicle parts & accessories	6	6	340.7	.8910	100
3795	Tanks & tank components	1	1	338.7	19.4958	100
8062	*General medical & surgical hospitals*	*4*	*4*	*193.3*	*.1069*	*100*
Ashland	All mfg.	37	20	535.6	.0248	83
3069	Fabricated rubber products n.e.c.	6	5	86.2	1.6019	99
Ashtabula	All mfg.	91	36	1,448.2	.0672	80
3079	Miscellaneous plastics products	14	8	106.6	.4474	86
Athens	All mfg.	9	3	102.9	.0048	43
8062	*General medical & surgical hospitals*	*4*	*4*	*74.7*	*.0413*	*100*
Auglaize	All mfg.	37	13	623.7	.0289	78
3662	Radio & TV communication equipment	1	1	115.2	.3413	100
Belmont	All mfg.	27	10	331.7	.0154	79
1211	*Bituminous-coal & lignite mining*	*9*	*6*	*451.7*	*2.7799*	*96*
Brown	All mfg.	7	3	111.2	.0052	88
Butler	All mfg.	119	41	2,528.4	.1173	87
2621	Paper mills, except building paper	5	4	437.4	2.1765	97
3312	Blast furnaces & steel mills	1	1	495.3	1.6737	100
3316	Cold-rolled steel sheet, strip, & bars	1	1	142.2	2.1910	100
3465	Automotive stampings	1	1	286.6	3.2144	100
3499	Fabricated metal products n.e.c.	5	2	145.2	1.6444	92
8062	*General medical & surgical hospitals*	*4*	*4*	*140.9*	*.0780*	*100*
Carroll	All mfg.	9	6	98.7	.0046	94
Champaign	All mfg.	17	8	291.4	.0135	86
Clark	All mfg.	93	28	1,058.7	.0491	78
3713	Truck & bus bodies	1	1	333.8	3.6433	100
8062	*General medical & surgical hospitals*	*2*	*2*	*97.9*	*.0542*	*100*
Clermont	All mfg.	34	6	343.8	.0159	64
3559	Special-industry machinery n.e.c.	1	1	155.1	1.7318	100
Clinton	All mfg.	29	11	298.2	.0138	75
Columbiana	All mfg.	85	26	767.9	.0356	64
8062	*General medical & surgical hospitals*	*2*	*2*	*61.1*	*.0338*	*100*
Coshocton	All mfg.	23	9	301.5	.0140	78
Crawford	All mfg.	47	16	583.3	.0271	74
3562	Ball & roller bearings	1	1	62.6	1.6848	100
Cuyahoga	All mfg.	1,508	458	18,541.3	.8599	76
1629	*Heavy construction n.e.c.*	*15*	*6*	*360.6*	*1.3663*	*87*
2038	Frozen food specialties	2	2	243.4	5.6855	100
2051	Bread, cake, & related products	9	8	204.2	1.2821	99
2311	Men's & boys' suits & coats	3	3	340.8	9.2295	100
2542	Metal partitions & fixtures	7	4	108.2	5.0281	94
2653	Corrugated & solid fiber boxes	13	6	131.3	1.2494	66
2711	Newspapers	11	3	121.0	.5474	84
2721	Periodicals	17	6	276.1	2.2582	66
2751	Letterpress commercial printing	23	3	68.0	.7268	48
2752	Lithographic commercial printing	35	6	148.9	1.1521	37
2771	Greeting-card publishing	3	3	284.3	11.8641	100
2819	Industrial inorganic chemicals n.e.c.	8	6	204.0	1.1974	93
2851	Paints & allied products	17	4	523.8	4.6805	82
2899	Chemical preparations n.e.c.	17	5	242.0	2.2735	68
2952	Asphalt felts & coatings	10	3	281.1	8.8280	78
3079	Miscellaneous plastics products	45	1[illegible]	251.9	1.0573	76
3312	Blast furnaces & steel mills	7	4	817.1	2.7612	98
3316	Cold-rolled steel sheet, strip, & bars	3	2	91.9	1.4160	92
3321	Gray-iron foundries	5	3	415.1	4.3533	98
3361	Aluminum foundries	17	10	147.5	4.9067	90
3429	Hardware n.e.c.	12	6	157.5	1.7362	73
3433	Heating equipment, except electric	9	3	166.7	3.5259	82
3444	Sheet-metal work	16	3	334.7	2.8243	79
3451	Screw-machine products	26	4	89.7	4.0487	53
3452	Bolts, nuts, rivets, & washers	31	15	269.9	6.9857	79
3462	Iron & steel forgings	19	6	178.2	3.3513	70
3463	Nonferrous forgings	3	1	310.5	20.0815	96
3465	Automotive stampings	5	3	277.9	3.1169	98
3469	Metal stampings n.e.c.	33	10	175.3	1.5010	58
3471	Plating & polishing	29	1	79.8	3.2747	43
3494	Valves & pipe fittings	15	4	130.5	1.1510	58
3496	Miscellaneous fabricated wire products	11	3	105.9	2.3577	75
3499	Fabricated metal products n.e.c.	26	5	192.8	2.1835	40
3531	Construction machinery	10	9	278.2	2.2984	98
3537	Industrial trucks & tractors	9	3	128.1	4.6247	83
3541	Metal-cutting machine tools	19	9	200.7	4.6054	86
3544	Special dies, tools, jigs, & fixtures	64	7	168.0	2.9208	36
3545	Machine-tool accessories	17	6	143.4	4.3565	84
3559	Special-industry machinery n.e.c.	21	9	298.0	3.3274	82
3568	Power-transmission equipment n.e.c.	9	4	189.7	4.7430	83
3592	Carburetors, pistons, rings, & valves	3	2	179.0	10.3864	99
3599	Machinery, except electrical, n.e.c.	58	4	153.5	1.3412	23
3621	Motors & generators	8	5	193.4	2.4824	95
3622	Industrial controls	10	5	192.[illegible]	3.6850	91
3623	Electric welding apparatus	4	2	291.6	12.0911	97
3624	Carbon & graphite products	5	4	98.4	6.8036	98
3641	Electric lamps	4	3	230.5	9.1291	99
3679	Electronic components n.e.c.	8	3	85.3	.4361	82
3694	Engine electrical equipment	3	2	79.0	1.4791	93
3714	Motor-vehicle parts & accessories	37	20	1,067.3	2.7913	93
3724	Aircraft engines & engine parts	3	1	314.6	3.4996	95
3728	Aircraft equipment n.e.c.	8	2	124.0	1.0279	87
3841	Surgical & medical instruments	4	1	67.1	1.3260	84
4011	*Line-haul-operating railroads*	*3*	*2*	*2,297.6*	*9.2872*	*100*
4924	*Natural-gas distribution*	*4*	*2*	*649.3*	*3.2116*	*96*
5051	*Metals service centers & sales offices*	*47*	*6*	*877.2*	*2.8813*	*31*
5063	*Electrical-power-equipment wholesalers*	*20*	*2*	*146.8*	*1.1639*	*46*
5084	*Industrial-machinery distributors*	*50*	*6*	*391.6*	*2.3001*	*60*
5085	*Industrial-supply distributors*	*56*	*2*	*351.4*	*1.7721*	*19*
6025	*National banks, federal reserve system*	*7*	*5*	*1,135.7*	*.8230*	*99*
7011	*Hotels, motels, & tourist courts*	*39*	*19*	*184.0*	*.5923*	*88*
7372	*Computer programming & software*	*9*	*2*	*82.3*	*.7201*	*72*
8062	*General medical & surgical hospitals*	*34*	*32*	*1,652.0*	*.9140*	*99*
8221	*Colleges & universities n.e.c.*	*10*	*4*	*269.7*	*1.0104*	*97*
Darke	All mfg.	34	9	345.8	.0160	65
3714	Motor-vehicle parts & accessories	1	1	59.2	.1548	100
Defiance	All mfg.	23	12	643.7	.0308	90
3296	Mineral wool	3	3	125.5	5.3207	100
3321	Gray-iron foundries	1	1	323.8	3.3958	100
Delaware	All mfg.	27	11	710.3	.0329	90
Erie	All mfg.	65	28	1,213.9	.0563	87
3562	Ball & roller bearings	1	1	201.9	5.4338	100
3714	Motor-vehicle parts & accessories	2	2	250.8	.6559	100
8062	*General medical & surgical hospitals*	*3*	*3*	*69.3*	*.0383*	*100*
Fairfield	All mfg.	48	25	555.3	.0258	79
Fayette	All mfg.	19	9	290.2	.0135	90
Franklin	All mfg.	448	142	7,847.9	.3640	83
2023	Condensed & evaporated milk	1	1	449.7	8.6731	100
2051	Bread, cake, & related products	8	3	362.6	2.2766	94
2086	Bottled & canned soft drinks	5	4	154.7	.8148	93
2295	Coated fabrics, not rubberized	1	1	112.2	6.3950	100
2751	Letterpress commercial printing	14	2	51.8	.5536	56
2834	Pharmaceutical preparations	6	5	168.0	.7872	97
3079	Miscellaneous plastics products	16	7	104.9	.4403	69

1986 **S&MM** Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/ Receipts ($ Mil.)	% Of U.S. Ship./ Recpt.	% In Large Estab.
OHIO (Franklin, cont.)						
3429	Hardware n.e.c.	1	1	413.0	4.5528	100
3562	Ball & roller bearings	1	1	78.3	2.1073	100
3661	Telephone & telegraph apparatus	2	1	709.3	3.7270	100
3721	Aircraft	1	1	445.8	1.5414	100
3823	Industrial process-control instruments	3	2	78.3	1.9621	96
3829	Measuring & controlling devices n.e.c.	5	2	56.7	2.1295	89
4911	*Electric services*	*5*	*3*	*947.8*	*.8666*	*98*
4924	*Natural-gas distribution*	*5*	*1*	*452.3*	*2.2372*	*67*
5081	*Commercial-equipment wholesalers*	*14*	*3*	*78.4*	*1.2886*	*68*
5085	*Industrial-supply distributors*	*16*	*1*	*140.7*	*.7095*	*45*
6025	*National banks, federal reserve system*	*3*	*3*	*654.4*	*.4742*	*100*
7011	*Hotels, motels, & tourist courts*	*39*	*13*	*130.1*	*.4188*	*71*
8062	*General medical & surgical hospitals*	*12*	*12*	*881.6*	*.4878*	*100*
8221	*Colleges & universities n.e.c.*	*9*	*7*	*369.9*	*1.3858*	*99*
Fulton	**All mfg.**	**48**	**21**	**815.0**	**.0378**	**78**
2511	Wood household furniture	5	4	121.5	1.6776	98
3714	Motor-vehicle parts & accessories	3	3	98.1	.2566	100
Gallia	**All mfg.**	**4**	**4**	**163.7**	**.0076**	**100**
8062	*General medical & surgical hospitals*	*2*	*2*	*89.3*	*.0494*	*100*
Geauga	**All mfg.**	**39**	**17**	**317.0**	**.0147**	**73**
3069	Fabricated rubber products n.e.c.	7	5	89.2	1.6577	93
Greene	**All mfg.**	**35**	**11**	**380.0**	**.0176**	**64**
8221	*Colleges & universities n.e.c.*	*5*	*3*	*111.9*	*.4192*	*95*
Guernsey	**All mfg.**	**28**	**10**	**292.8**	**.0136**	**84**
3573	Electronic computing equipment	1	1	130.1	.2520	100
Hamilton	**All mfg.**	**741**	**271**	**16,979.8**	**.7875**	**88**
2011	Meat-packing plants	6	1	478.4	1.0713	83
2051	Bread, cake, & related products	10	7	167.6	1.0523	95
2086	Bottled & canned soft drinks	5	4	209.4	1.1029	98
2099	Food preparations n.e.c.	7	4	342.1	2.9226	94
2711	Newspapers	8	5	109.2	.4940	95
2751	Letterpress commercial printing	22	4	56.1	.5996	54
2752	Lithographic commercial printing	29	5	187.1	1.4476	56
2771	Greeting-card publishing	2	1	217.6	9.0807	99
2821	Plastics materials & synthetic resins	2	1	356.2	1.6719	95
2834	Pharmaceutical preparations	4	3	160.6	.7526	98
2841	Soap & other detergents	6	4	1,092.7	12.6382	99
2844	Toilet preparations	4	3	365.7	2.9689	99
2869	Industrial organic chemicals n.e.c.	7	3	515.8	1.6172	93
3079	Miscellaneous plastics products	19	9	300.4	1.2609	92
3315	Steel wire & related products	1	1	206.0	8.5481	100
3356	Nonferrous rolling & drawing n.e.c.	1	1	180.4	4.1638	100
3444	Sheet-metal work	17	2	107.5	.9071	50
3494	Valves & pipe fittings	8	5	292.2	2.5771	94
3499	Fabricated metal products n.e.c.	10	5	116.0	1.3137	80
3541	Metal-cutting machine tools	18	9	269.8	6.1911	91
3544	Special dies, tools, jigs, & fixtures	21	5	65.6	1.1405	53
3563	Air & gas compressors	5	4	114.7	3.4951	96
3621	Motors & generators	3	2	90.3	1.1590	96
3643	Current-carrying wiring devices	7	5	55.8	2.0506	94
3662	Radio & TV communication equipment	3	2	157.5	.4666	98
3711	Motor vehicles & passenger-car bodies	4	3	2,683.0	2.7966	99
3714	Motor-vehicle parts & accessories	8	2	266.7	.6975	85
3724	Aircraft engines & engine parts	1	1	1,247.3	13.8751	100
3728	Aircraft equipment n.e.c.	2	2	74.7	.6193	100
4011	*Line-haul-operating railroads*	*3*	*3*	*315.9*	*1.2769*	*100*
4911	*Electric services*	*1*	*1*	*688.6*	*.6296*	*100*
5084	*Industrial-machinery distributors*	*33*	*2*	*165.6*	*.9727*	*24*
5085	*Industrial-supply distributors*	*38*		*195.9*	*.9879*	*0*
6025	*National banks, federal reserve system*	*2*	*2*	*364.1*	*.2638*	*100*
7011	*Hotels, motels, & tourist courts*	*32*	*16*	*148.4*	*.4777*	*85*
8062	*General medical & surgical hospitals*	*19*	*19*	*979.9*	*.5421*	*100*
8221	*Colleges & universities n.e.c.*	*7*	*4*	*139.4*	*.5223*	*97*
Hancock	**All mfg.**	**38**	**15**	**837.9**	**.0389**	**87**
3633	Household laundry equipment	1	1	342.0	17.4820	100
3674	Semiconductors & related devices	1	1	62.9	.5750	100
Hardin	**All mfg.**	**16**	**7**	**248.4**	**.0115**	**85**
Harrison	**All mfg.**	**7**	**1**	**24.9**	**.0012**	**28**
1211	*Bituminous-coal & lignite mining*	*6*	*6*	*488.3*	*3.0051*	*100*
Henry	**All mfg.**	**20**	**7**	**468.2**	**.0217**	**79**
2032	Canned food specialties	1	1	228.4	5.6586	100
Highland	**All mfg.**	**19**	**8**	**229.9**	**.0107**	**82**
Hocking	**All mfg.**	**11**	**5**	**132.5**	**.0061**	**87**
Holmes	**All mfg.**	**27**	**10**	**164.8**	**.0076**	**61**

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industr[illegible] county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 **S&MM** Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship. Recpt.	% In Large Estab.
Huron	**All mfg.**	**45**	**22**	**791.9**	**.0367**	**85**
2732	Book printing	1	1	186.2	4.4210	100
Jackson	**All mfg.**	**22**	**8**	**219.6**	**.0102**	**71**
Jefferson	**All mfg.**	**28**	**11**	**596.2**	**.0276**	**88**
3312	Blast furnaces & steel mills	2	2	275.9	.9323	100
8062	*General medical & surgical hospitals*	*2*	*2*	*83.4*	*.0461*	*100*
Knox	**All mfg.**	**21**	**9**	**282.6**	**.0131**	**80**
Lake	**All mfg.**	**228**	**59**	**2,733.1**	**.1268**	**74**
2253	Knit-outerwear mills	1	1	61.6	1.6262	100
2869	Industrial organic chemicals n.e.c.	3	2	612.4	1.9201	99
3069	Fabricated rubber products n.e.c.	6	3	67.4	1.2526	87
3536	Hoists, industrial cranes, & monorails	2	1	86.7	6.2545	97
3537	Industrial trucks & tractors	3	1	206.6	7.4588	96
3823	Industrial process-control instruments	2	2	49.9	1.2504	100
8062	*General medical & surgical hospitals*	*2*	*2*	*62.4*	*.0345*	*100*
Lawrence	**All mfg.**	**16**	**8**	**321.2**	**.0149**	**88**
Licking	**All mfg.**	**54**	**27**	**1,054.2**	**.0489**	**89**
3079	Miscellaneous plastics products	10	8	75.3	.3161	95
3296	Mineral wool	2	2	330.2	13.9992	100
3714	Motor-vehicle parts & accessories	2	2	175.6	.4592	100
Logan	**All mfg.**	**20**	**9**	**217.8**	**.0101**	**75**
Lorain	**All mfg.**	**159**	**58**	**3,172.3**	**.1471**	**88**
3312	Blast furnaces & steel mills	1	1	229.2	.7745	100
3321	Gray-iron foundries	5	5	149.6	1.5689	100
3573	Electronic computing equipment	2	1	95.0	.1840	93
3711	Motor vehicles & passenger-car bodies	1	1	692.9	.7222	100
3713	Truck & bus bodies	2	1	221.4	2.4165	99
3714	Motor-vehicle parts & accessories	4	2	111.3	.2911	93
8062	*General medical & surgical hospitals*	*6*	*5*	*195.4*	*.1081*	*98*
Lucas	**All mfg.**	**337**	**101**	**8,153.4**	**.3781**	**86**
2711	Newspapers	3	1	58.9	.2665	94
3079	Miscellaneous plastics products	11	5	69.6	.2921	81
3229	Pressed & blown glass n.e.c.	4	3	193.4	4.7569	99
3361	Aluminum foundries	3	3	119.3	3.9686	100
3465	Automotive stampings	6	2	148.9	1.6700	90
3469	Metal stampings n.e.c.	12	3	76.2	.6525	61
3544	Special dies, tools, jigs, & fixtures	19	4	53.3	.9267	52
3694	Engine electrical equipment	2	1	146.9	2.7504	98
3711	Motor vehicles & passenger-car bodies	1	1	1,750.1	1.8242	100
3714	Motor-vehicle parts & accessories	6	5	676.1	1.7682	99
8062	*General medical & surgical hospitals*	*10*	*10*	*572.4*	*.3167*	*100*
Madison	**All mfg.**	**14**	**4**	**222.9**	**.0103**	**73**
Mahoning	**All mfg.**	**147**	**47**	**1,534.5**	**.0712**	**75**
3317	Steel pipe & tubes	1	1	333.6	5.1103	100
3743	Railroad equipment	1	1	63.4	1.3631	100
8062	*General medical & surgical hospitals*	*2*	*2*	*197.3*	*.1092*	*100*
Marion	**All mfg.**	**42**	**17**	**1,089.0**	**.0505**	**90**
3585	Refrigeration & heating equipment	1	1	128.9	.8285	100
3631	Household cooking equipment	1	1	174.8	6.0046	100
3633	Household laundry equipment	1	1	182.4	9.3237	100
Medina	**All mfg.**	**91**	**28**	**768.2**	**.0356**	**59**
Meigs	**All mfg.**	**5**		**16.6**	**.0008**	**0**
Mercer	**All mfg.**	**24**	**10**	**462.8**	**.0215**	**90**
3751	Motorcycles, bicycles, & parts	1	1	210.0	12.8299	100
Miami	**All mfg.**	**89**	**32**	**1,298.6**	**.0602**	**84**
3551	Food-products machinery	2	2	135.6	5.0576	100
3623	Electric welding apparatus	2	1	175.9	7.2936	98
3728	Aircraft equipment n.e.c.	3	2	122.7	1.0172	98
8062	*General medical & surgical hospitals*	*3*	*3*	*68.4*	*.0378*	*100*
Monroe	**All mfg.**	**2**	**2**	**303.8**	**.0141**	**100**
3334	Primary aluminum	1	1	291.8	5.2826	100
Montgomery	**All mfg.**	**411**	**122**	**5,977.7**	**.2772**	**84**
2621	Paper mills, except building paper	5	4	190.5	.9479	93
2711	Newspapers	4	1	67.7	.3063	86
2721	Periodicals	3	2	259.0	2.1184	99
2761	Manifold business forms	4	4	146.7	1.9908	100
3079	Miscellaneous plastics products	14	6	58.1	.2439	81
3544	Special dies, tools, jigs, & fixtures	63	14	208.9	3.6318	54
3545	Machine-tool accessories	10	3	62.6	1.9018	75
3561	Pumps & pumping equipment	5	3	100.3	1.5001	92
3569	General industrial machinery n.e.c.	4	1	117.1	2.0641	93
3573	Electronic computing equipment	2	1	345.7	.6695	99
3585	Refrigeration & heating equipment	3	3	809.3	5.2019	100
3599	Machinery, except electrical, n.e.c.	24	3	96.8	.8458	42
3714	Motor-vehicle parts & accessories	5	3	1,192.0	3.1174	99
3953	Marking devices	2	1	56.8	15.0145	98
4931	*Electric & other services combined*	*1*	*1*	*853.5*	*2.8859*	*100*
7011	*Hotels, motels, & tourist courts*	*14*	*4*	*52.5*	*.1690*	*74*
7372	*Computer programming & software*	*9*	*3*	*48.6*	*.4252*	*62*
7374	*Data-processing services*	*9*	*3*	*104.0*	*1.2940*	*71*
8062	*General medical & surgical hospitals*	*10*	*9*	*637.5*	*.3527*	*100*
Morgan	**All mfg.**	**9**	**4**	**107.0**	**.0050**	**84**
Morrow	**All mfg.**	**8**	**4**	**113.6**	**.0053**	**85**
Muskingum	**All mfg.**	**52**	**23**	**1,042.5**	**.0483**	**87**
2026	Fluid milk	1	1	259.3	1.3169	100
3221	Glass containers	1	1	71.6	1.6738	100
3694	Engine electrical equipment	1	1	148.2	2.7748	100

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship/Recpt	% In Large Estab
8062	*General medical & surgical hospitals*	*2*	*2*	*78.4*	*.0434*	*100*
Noble	**All mfg.**	**4**	**2**	**56.3**	**.0026**	**69**
Ottawa	**All mfg.**	**20**	**7**	**242.5**	**.0112**	**77**
4912	*Nuclear power*	*2*	*2*	*566.8*	*2.0154*	*100*
Paulding	**All mfg.**	**10**	**4**	**146.9**	**.0068**	**83**
Perry	**All mfg.**	**12**	**7**	**119.5**	**.0055**	**86**
Pickaway	**All mfg.**	**13**	**9**	**572.8**	**.0266**	**92**
2821	Plastics materials & synthetic resins	2	2	299.3	1.4048	100
3641	Electric lamps	1	1	86.3	3.4180	100
Pike	**All mfg.**	**5**	**2**	**510.9**	**.0237**	**98**
2819	Industrial inorganic chemicals n.e.c.	2	1	484.2	2.8421	99
Portage	**All mfg.**	**73**	**27**	**708.8**	**.0329**	**76**
3079	Miscellaneous plastics products	12	6	60.0	.2518	74
Preble	**All mfg.**	**16**	**6**	**215.1**	**.0100**	**76**
Putnam	**All mfg.**	**13**	**6**	**152.5**	**.0071**	**89**
3671	Electron tubes	1	1	47.0	2.7631	100
Richland	**All mfg.**	**93**	**39**	**2,083.3**	**.0966**	**91**
3312	Blast furnaces & steel mills	1	1	275.3	.9303	100
3317	Steel pipe & tubes	2	2	273.1	4.1835	100
3465	Automotive stampings	1	1	382.2	4.2867	100
3561	Pumps & pumping equipment	4	4	96.5	1.4433	100
3633	Household laundry equipment	1	1	180.1	9.2062	100
3822	Environmental controls	2	2	80.0	4.6369	100
8062	*General medical & surgical hospitals*	*3*	*3*	*73.4*	*.0406*	*100*
Ross	**All mfg.**	**16**	**6**	**478.4**	**.0222**	**89**
2611	Pulp mills	1	1	203.0	4.3296	100
Sandusky	**All mfg.**	**61**	**22**	**1,026.6**	**.0476**	**85**
3633	Household laundry equipment	1	1	304.0	15.5395	100
Scioto	**All mfg.**	**15**	**7**	**161.6**	**.0075**	**82**
8062	*General medical & surgical hospitals*	*3*	*3*	*64.5*	*.0357*	*100*
Seneca	**All mfg.**	**51**	**27**	**904.2**	**.0419**	**86**
3519	Internal-combustion engines n.e.c.	1	1	88.9	.8963	100
Shelby	**All mfg.**	**45**	**17**	**848.6**	**.0394**	**88**
3469	Metal stampings n.e.c.	1	1	54.8	.4692	100
3479	Metal coating & allied services n.e.c.	1	1	96.6	2.4002	100
3585	Refrigeration & heating equipment	1	1	287.4	1.8473	100
Stark	**All mfg.**	**234**	**80**	**4,616.3**	**.2141**	**85**
2013	Sausages & other prepared meats	2	2	175.3	1.2537	100
3069	Fabricated rubber products n.e.c.	6	5	49.6	.9218	95
3312	Blast furnaces & steel mills	4	4	1,043.2	3.5252	100
3316	Cold-rolled steel sheet, strip, & bars	3	3	106.8	1.6456	100
3462	Iron & steel forgings	4	3	107.4	2.0198	92
3465	Automotive stampings	1	1	166.1	1.8629	100
3562	Ball & roller bearings	2	1	450.1	12.1138	99
6025	*National banks, federal reserve system*	*6*	*4*	*217.2*	*.1574*	*87*
8062	*General medical & surgical hospitals*	*6*	*4*	*180.4*	*.0998*	*100*
Summit	**All mfg.**	**350**	**99**	**4,842.8**	**.2246**	**77**
2822	Synthetic rubber	3	3	616.7	9.8871	100
3011	Tires & inner tubes	[illegible]	1	159.7	2.1948	90
3069	Fabricated rubber products n.e.c.	[illegible]	6	78.2	1.4533	51
3079	Miscellaneous plastics products	23	7	105.5	.4428	57
3443	Fabricated plate work (boiler shops)	5	1	160.3	1.1795	88
3444	Sheet-metal work	6	3	144.2	1.2168	95
3465	Automotive stampings	4	2	552.3	6.1945	98
3544	Special dies, tools, jigs, & fixtures	30	8	107.7	1.8724	63
3559	Special-industry machinery n.e.c.	15	4	122.9	1.3723	59
3599	Machinery, except electrical, n.e.c.	21	3	79.5	.6946	45
3728	Aircraft equipment n.e.c.	4	1	373.7	3.0979	98
4911	*Electric services*	*1*	*1*	*1,088.0*	*.9947*	*100*
8062	*General medical & surgical hospitals*	*10*	*10*	*493.8*	*.2732*	*100*
Trumbull	**All mfg.**	**115**	**39**	**6,188.5**	**.2870**	**93**
3312	Blast furnaces & steel mills	2	1	442.4	1.4950	98
3356	Nonferrous rolling & drawing n.e.c.	2	2	244.2	5.6363	100
3465	Automotive stampings	1	1	258.0	2.8937	100
3641	Electric lamps	2	2	100.5	3.9804	100
3694	Engine electrical equipment	2	1	661.3	12.3816	99
3711	Motor vehicles & passenger-car bodies	1	1	3,065.9	3.1957	100
3743	Railroad equipment	2	1	86.7	1.8641	92
8062	*General medical & surgical hospitals*	*4*	*4*	*147.2*	*.0814*	*100*
Tuscarawas	**All mfg.**	**86**	**25**	**857.2**	**.0398**	**71**
3079	Miscellaneous plastics products	9	4	59.0	.2477	75
Union	**All mfg.**	**18**	**7**	**1,595.8**	**.0740**	**97**
2874	Phosphatic fertilizers	1	1	344.4	7.2932	100
3711	Motor vehicles & passenger-car bodies	1	1	897.7	.9357	100
3751	Motorcycles, bicycles, & parts	1	1	220.2	13.4531	100
Van Wert	**All mfg.**	**18**	**8**	**363.2**	**.0168**	**85**
Vinton	**All mfg.**	**7**	**2**	**38.1**	**.0018**	**53**
Warren	**All mfg.**	**41**	**12**	**365.9**	**.0170**	**66**
Washington	**All mfg.**	**39**	**16**	**1,093.0**	**.0507**	**88**
2522	Metal office furniture	1	1	128.9	3.8349	100
Wayne	**All mfg.**	**81**	**33**	**1,490.2**	**.0691**	**83**
3079	Miscellaneous plastics products	4	1	230.0	.9654	97
3713	Truck & bus bodies	4	4	101.5	1.1078	100
8062	*General medical & surgical hospitals*	*4*	*3*	*93.2*	*.0516*	*96*
Williams	**All mfg.**	**52**	**29**	**719.3**	**.0334**	**83**
Wood	**All mfg.**	**61**	**28**	**1,558.0**	**.0723**	**92**

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship/Recpt	% In Large Estab
3211	Flat glass	1	1	232.6	8.5574	100
3559	Special-industry machinery n.e.c.	1	1	193.7	2.1628	100
3714	Motor-vehicle parts & accessories	4	4	579.9	1.5166	100
Wyandot	**All mfg.**	**21**	**9**	**203.0**	**.0094**	**81**
3079	Miscellaneous plastics products	5	4	76.9	.3228	98
STATE TOTAL	**All mfg.**	**7,360**	**2,540**	**127,064.4**	**5.8928**	**84**

OKLAHOMA

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship/Recpt	% In Large Estab
Adair	**All mfg.**	**4**	**3**	**91.9**	**.0043**	**97**
Alfalfa	**All mfg.**	**1**		**1.1**	**.0001**	**0**
Atoka	**All mfg.**	**3**	**1**	**17.9**	**.0008**	**56**
Beaver	**All mfg.**	**1**		**2.8**	**.0001**	**0**
Beckham	**All mfg.**	**1**		**1.5**	**.0001**	**0**
Blaine	**All mfg.**	**6**	**3**	**64.6**	**.0030**	**80**
Bryan	**All mfg.**	**10**	**1**	**60.3**	**.0028**	**54**
Caddo	**All mfg.**	**6**	**2**	**74.4**	**.0035**	**45**
Canadian	**All mfg.**	**14**		**59.4**	**.0028**	**0**
Carter	**All mfg.**	**18**	**3**	**679.1**	**.0315**	**89**
3011	Tires & inner tubes	1	1	238.4	3.2764	100
Cherokee	**All mfg.**	**2**	**1**	**8.1**	**.0004**	**73**
Choctaw	**All mfg.**	**4**		**12.2**	**.0006**	**0**
Cleveland	**All mfg.**	**31**	**6**	**333.8**	**.0155**	**57**
8062	*General medical & surgical hospitals*	*4*	*3*	*108.3*	*.0599*	*95*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*48.5*	*.1817*	*100*
Coal	**All mfg.**	**1**	**1**	**6.5**	**.0003**	**100**
Comanche	**All mfg.**	**21**	**7**	**320.8**	**.0149**	**74**
3011	Tires & inner tubes	1	1	167.0	2.2951	100
8062	*General medical & surgical hospitals*	*4*	*4*	*110.8*	*.0613*	*100*
Cotton	**All mfg.**	**1**	**1**	**5.4**	**.0003**	**100**
Craig	**All mfg.**	**4**	**1**	**41.8**	**.0019**	**54**
Creek	**All mfg.**	**21**	**6**	**268.1**	**.0124**	**66**
Custer	**All mfg.**	**9**	**2**	**48.8**	**.0023**	**61**
Delaware	**All mfg.**	**3**		**6.6**	**.0003**	**0**
Ellis	**All mfg.**	**1**		**8.8**	**.0004**	**0**
Garfield	**All mfg.**	**18**	**9**	**387.5**	**.0180**	**82**
Garvin	**All mfg.**	**11**	**2**	**298.1**	**.0138**	**91**
Grady	**All mfg.**	**20**	**3**	**178.0**	**.0083**	**50**
Grant	**All mfg.**	**1**		**2.8**	**.0001**	**0**
Greer	**All mfg.**	**2**		**2.4**	**.0001**	**0**
Haskell	**All mfg.**	**1**		**2.5**	**.0001**	**0**
Hughes	**All mfg.**	**1**	**1**	**7.0**	**.0003**	**100**
Jackson	**All mfg.**	**5**	**2**	**43.3**	**.0020**	**67**
Jefferson	**All mfg.**	**4**		**12.3**	**.0006**	**0**
Johnston	**All mfg.**	**4**	**1**	**34.4**	**.0016**	**13**
Kay	**All mfg.**	**33**	**8**	**4,674.5**	**.2168**	**97**
2911	Petroleum refining	1	1	4,222.5	3.0118	100
Kingfisher	**All mfg.**	**2**		**9.8**	**.0005**	**0**
Kiowa	**All mfg.**	**7**	**1**	**45.9**	**.0021**	**34**
Latimer	**All mfg.**	**2**	**1**	**15.8**	**.0007**	**99**
Le Flore	**All mfg.**	**9**	**4**	**53.2**	**.0025**	**65**
Lincoln	**All mfg.**	**7**	**3**	**166.0**	**.0077**	**88**
Logan	**All mfg.**	**4**	**1**	**22.9**	**.0011**	**51**
Love	**All mfg.**	**2**	**2**	**26.4**	**.0012**	**100**
McClain	**All mfg.**	**2**		**6.2**	**.0003**	**0**
McCurtain	**All mfg.**	**11**	**5**	**291.0**	**.0135**	**85**
McIntosh	**All mfg.**	**4**	**2**	**17.2**	**.0008**	**71**
Major	**All mfg.**	**2**		**14.7**	**.0007**	**0**
Marshall	**All mfg.**	**6**	**2**	**26.5**	**.0012**	**64**
Mayes	**All mfg.**	**19**	**8**	**313.1**	**.0145**	**57**
Murray	**All mfg.**	**4**	**1**	**65.7**	**.0030**	**83**
Muskogee	**All mfg.**	**32**	**11**	**561.2**	**.0260**	**81**
2647	Sanitary paper products	1	1	197.6	2.1221	100
8062	*General medical & surgical hospitals*	*2*	*2*	*77.6*	*.0429*	*100*
Noble	**All mfg.**	**2**	**1**	**114.8**	**.0053**	**76**
Nowata	**All mfg.**	**2**	**1**	**12.5**	**.0006**	**89**
Okfuskee	**All mfg.**	**4**	**2**	**22.8**	**.0011**	**44**
Oklahoma	**All mfg.**	**276**	**77**	**6,130.9**	**.2843**	**85**
1311	*Crude petroleum & natural gas*	*77*	*1*	*1,480.1*	*4.1187*	*7*
1381	*Oil- & gas-well drilling services*	*30*	*2*	*230.2*	*6.3468*	*45*
1611	*Highway & street construction*	*13*	*4*	*165.8*	*.9587*	*77*
2051	Bread, cake, & related products	5	2	94.6	.5939	66
2711	Newspapers	3	1	60.3	.2728	92
3011	Tires & inner tubes	1	1	144.7	1.9886	100
3533	Oil-field machinery	16	4	184.9	2.0195	54
3573	Electronic computing equipment	4	3	170.9	.3310	99
3661	Telephone & telegraph apparatus	1	1	564.8	2.9677	100
3711	Motor vehicles & passenger-car bodies	1	1	2,425.0	2.5277	100
3714	Motor-vehicle parts & accessories	7	3	143.6	.3756	85
4911	*Electric services*	*1*	*1*	*676.4*	*.6184*	*100*
5084	*Industrial machinery distributors*	*28*	*4*	*254.3*	*1.4936*	*46*
6025	*National banks, federal reserve system*	*24*	*4*	*864.9*	*.6267*	*47*
7011	*Hotels, motels, & tourist courts*	*32*	*7*	*72.6*	*.2337*	*51*

1986 S&MM Est.

OKLAHOMA (Oklahoma, cont.)

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship. Recpt.	% In Large Estab.
8062	*General medical & surgical hospitals*	15	15	610.3	.3377	100
8221	*Colleges & universities n.e.c.*	6	5	118.2	.4428	96
Okmulgee	All mfg.	16	3	207.6	.0096	58
Osage	All mfg.	8	6	203.7	.0094	96
Ottawa	All mfg.	16	5	107.4	.0050	69
Pawnee	All mfg.	1		2.4	.0001	0
Payne	All mfg.	16	4	354.9	.0257	87
3519	Internal-combustion engines n.e.c.	1	1	150.1	1.5133	100
8221	*Colleges & universities n.e.c.*	1	1	48.5	.1817	100
Pittsburg	All mfg.	13	6	194.6	.0090	64
Pontotoc	All mfg.	19	6	191.6	.0089	65
Pottawatomie	All mfg.	23	7	228.4	.0106	71
Pushmataha	All mfg.	2		4.7	.0002	0
Rogers	All mfg.	17	6	249.3	.0116	74
Seminole	All mfg.	16	5	80.8	.0037	58
Sequoyah	All mfg.	5	3	70.6	.0033	76
Stephens	All mfg.	13	2	544.3	.0252	91
3533	Oil-field machinery	2	1	499.7	5.4577	98
Texas	All mfg.	6	1	168.9	.0078	11
Tillman	All mfg.	6	2	26.5	.0012	65
Tulsa	All mfg.	466	114	6,473.8	.3002	80
1311	*Crude petroleum & natural gas*	67	4	1,398.3	3.8911	30
1381	*Oil- & gas-well drilling services*	27	4	208.1	5.7375	48
1382	*Oil- & gas-field exploration services*	26	2	325.9	14.0136	83
3231	Products of purchased glass	1	1	83.0	3.4972	100
3441	Fabricated structural metal	12	4	243.9	1.1715	68
3443	Fabricated plate work (boiler shops)	21	6	273.7	2.0139	75
3531	Construction machinery	9	4	224.0	1.8506	89
3533	Oil-field machinery	26	11	468.9	5.1213	65
3721	Aircraft	2	1	342.7	1.1849	99
3728	Aircraft equipment n.e.c.	6	3	333.7	2.7663	97
5084	*Industrial-machinery distributors*	27	5	334.9	1.9670	70
6025	*National banks, federal reserve system*	13	5	405.5	.3518	83
7011	*Hotels, motels, & tourist courts*	26	11	71.0	.2285	73
8062	*General medical & surgical hospitals*	8	7	457.4	.2531	99
8221	*Colleges & universities n.e.c.*	2	1	51.6	.1933	94
Wagoner	All mfg.	5	3	68.7	.0032	92
Washington	All mfg.	13	5	2,026.4	.0940	98
2992	Lubricating oils & greases	1	1	1,742.3	29.4596	100
Washita	All mfg.	3	1	10.7	.0005	38
Woodward	All mfg.	6	1	76.8	.0036	73
STATE TOTAL	All mfg.	1,267	365	27,165.4	1.2598	83

OREGON

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship. Recpt.	% In Large Estab.
Baker	All mfg.	8	4	75.5	.0035	85
Benton	All mfg.	21	6	659.9	.0306	91
3574	Calculating & accounting machines	1	1	508.0	20.2940	100
Clackamas	All mfg.	95	26	754.7	.0350	65
2421	General sawmills & planing mills	8	5	61.3	.6043	87
2621	Paper mills, except building paper	2	2	77.4	.3851	100
8062	*General medical & surgical hospitals*	3	3	57.2	.0316	100
Clatsop	All mfg.	14	3	362.7	.0168	16
Columbia	All mfg.	18	4	276.0	.0128	60
Coos	All mfg.	33	12	495.0	.0230	81
2411	Logging camps & contractors	8	2	143.2	6.3568	75
2436	Softwood veneer & plywood	7	4	221.1	5.6579	95
Crook	All mfg.	10	5	107.8	.0050	80
Curry	All mfg.	5	2	92.4	.0043	91
Deschutes	All mfg.	28	8	301.7	.0140	70
2431	Millwork	7	2	105.2	1.7189	85
7011	*Hotels, motels, & tourist courts*	6	3	35.6	.1146	90
Douglas	All mfg.	45	16	705.7	.0327	81
2436	Softwood veneer & plywood	8	6	381.7	9.7676	96
8062	*General medical & surgical hospitals*	6	4	86.9	.0481	96
Grant	All mfg.	4	2	44.6	.0021	82
Hood River	All mfg.	13	4	105.6	.0049	59
Jackson	All mfg.	70	24	880.1	.0408	72
2421	General sawmills & planing mills	8	5	100.6	.9916	85
2431	Millwork	6	5	140.7	2.2990	99
2436	Softwood veneer & plywood	13	9	307.1	7.8586	94
8062	*General medical & surgical hospitals*	3	3	67.7	.0375	100
Jefferson	All mfg.	6	2	86.3	.0040	76
Josephine	All mfg.	29	15	305.1	.0141	78
Klamath	All mfg.	24	8	288.1	.0134	78
2499	Wood products n.e.c.	1	1	111.4	2.4788	100
Lake	All mfg.	7	1	30.8	.0014	21
Lane	All mfg.	142	39	1,839.0	.0853	72
2421	General sawmills & planing mills	20	7	226.5	2.2327	76
2436	Softwood veneer & plywood	14	8	365.6	9.3556	89
2631	Paperboard mills	1	1	387.7	4.7815	100
5085	*Industrial-supply distributors*	9	1	2,571.5	12.9681	99
8062	*General medical & surgical hospitals*	7	5	161.2	.0892	95
Lincoln	All mfg.	13	5	215.5	.0100	88
Linn	All mfg.	64	29	1,342.4	.0623	90
2436	Softwood veneer & plywood	8	7	169.9	4.3477	97
3339	Primary nonferrous metals n.e.c.	2	2	603.1	19.4360	100
Malheur	All mfg.	10	2	358.0	.0166	91
2037	Frozen fruits & vegetables	1	1	238.4	3.1773	100
Marion	All mfg.	106	26	1,062.0	.0493	64
2033	Canned fruits & vegetables	8	7	316.3	2.0929	99
Morrow	All mfg.	3	3	42.0	.0019	100
Multnomah	All mfg.	421	115	6,170.6	.2862	77
2339	Women's & misses' outerwear n.e.c.	3	1	81.7	2.6651	93
3325	Steel foundries n.e.c.	4	3	268.4	5.1881	97
3425	Hand saws & saw blades	5	3	93.6	13.6225	93
3537	Industrial trucks & tractors	5	3	99.9	3.6066	94
3711	Motor vehicles & passenger-car bodies	2	2	1,240.8	1.2933	100
3728	Aircraft equipment n.e.c.	3	1	162.7	1.3488	97
3731	Ship building & repairing	6	4	105.6	1.3439	94
4911	*Electric services*	8	6	1,481.8	1.3548	97
6025	*National banks, federal reserve system*	3	2	1,534.6	1.1120	100
7011	*Hotels, motels, & tourist courts*	23	8	97.1	.3125	74
8062	*General medical & surgical hospitals*	17	14	965.9	.5344	99
8221	*Colleges & universities n.e.c.*	5	4	94.6	.3544	97
Polk	All mfg.	13	6	171.8	.0080	81
Tillamook	All mfg.	12	3	100.3	.0047	69
Umatilla	All mfg.	26	12	501.0	.0233	88
2037	Frozen fruits & vegetables	5	4	244.2	3.2546	96
8062	*General medical & surgical hospitals*	5	3	56.3	.0311	89
Union	All mfg.	11	6	250.4	.0116	92
2421	General sawmills & planing mills	4	2	122.0	1.2026	94
Wallowa	All mfg.	6		27.8	.0013	0
Wasco	All mfg.	8	4	249.7	.0116	85
Washington	All mfg.	86	32	1,473.2	.0683	81
3573	Electronic computing equipment	3	3	362.9	.7028	100
3674	Semiconductors & related devices	2	1	302.4	2.7645	99
Yamhill	All mfg.	40	12	489.7	.0227	73
STATE TOTAL	All mfg.	1,391	436	19,865.4	.9213	76

PENNSYLVANIA

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship. Recpt.	% In Large Estab.
Adams	All mfg.	47	21	656.7	.0305	83
2033	Canned fruits & vegetables	4	4	221.5	1.4656	100
Allegheny	All mfg.	620	199	11,901.5	.5520	83
1211	*Bituminous-coal & lignite mining*	9	8	202.8	1.2481	99
1611	*Highway & street construction*	8	4	266.3	1.5398	94
1622	*Bridge & tunnel construction*	6	4	200.4	2.9668	93
1629	*Heavy construction n.e.c.*	23	10	636.7	2.4125	88
2032	Canned food specialties	1	1	385.1	9.5409	100
2051	Bread, cake, & related products	23	4	141.4	.8878	53
2499	Wood products n.e.c.	4	1	88.8	1.9759	86
2515	Mattresses & bedsprings	3	1	193.1	6.3010	95
2711	Newspapers	10	5	73.6	.3330	84
2752	Lithographic commercial printing	25	4	152.8	1.1822	59
2821	Plastics materials & synthetic resins	3	3	209.5	.9833	100
2844	Toilet preparations	3	2	311.1	2.5256	98
2911	Petroleum refining	5	2	891.2	.6357	84
3079	Miscellaneous plastics products	17	6	129.2	.5423	82
3312	Blast furnaces & steel mills	11	8	1,816.4	6.1380	98
3317	Steel pipe & tubes	2	1	457.4	7.0067	98
3356	Nonferrous rolling & drawing n.e.c.	4	1	313.4	7.2335	93
3441	Fabricated structural metal	18	7	335.7	1.6124	71
3462	Iron & steel forgings	6	6	150.1	2.8229	100
3465	Automotive stampings	1	1	152.9	1.7149	100
3498	Fabricated pipe & fittings	5	3	281.0	7.0767	94
3547	Rolling-mill machinery	3	3	202.2	24.6435	100
3559	Special-industry machinery n.e.c.	5	2	161.1	1.7988	96
3573	Electronic computing equipment	5	4	253.1	.4902	98
3612	Transformers	1	1	178.1	6.3058	100
3621	Motors & generators	7	3	52.1	.6687	69
3644	Non-current-carrying wiring devices	4	3	166.8	5.4435	92
3662	Radio & TV communication equipment	1	1	69.8	.2068	100
3714	Motor-vehicle parts & accessories	5	1	197.8	.5173	91
3743	Railroad equipment	3	1	227.4	4.8893	96
3823	Industrial process-control instruments	6	1	123.3	3.0898	89
4011	*Line-haul-operating railroads*	10	6	192.1	.7765	95
4911	*Electric services*	3	2	387.8	.3546	99

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 **S&MM** Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil)	% Of U S Ship Recpt	% In Large Estab
4924	*Natural-gas distribution*	*7*	*2*	*1,042.8*	*5.1580*	*91*
5051	*Metals service centers & sales offices*	*12*	*1*	*441.9*	*1.4515*	*59*
5085	*Industrial-supply distributors*	*42*		*202.5*	*1.0212*	*0*
6025	*National banks, federal reserve system*	*5*	*4*	*1,753.9*	*1.2709*	*99*
7011	*Hotels, motels, & tourist courts*	*28*	*17*	*128.9*	*.4149*	*91*
8062	*General medical & surgical hospitals*	*34*	*32*	*1,740.4*	*.9629*	*100*
8221	*Colleges & universities n.e.c.*	*8*	*6*	*72.4*	*.2712*	*96*
Armstrong	**All mfg.**	**29**	**11**	**656.2**	**.0305**	**88**
3316	Cold-rolled steel sheet, strip, & bars	1	1	229.2	3.5315	100
Beaver	**All mfg.**	**69**	**29**	**1,480.9**	**.0687**	**88**
2821	Plastics materials & synthetic resins	2	2	349.3	1.6395	100
3316	Cold-rolled steel sheet, strip, & bars	8	6	146.0	2.2495	94
3317	Steel pipe & tubes	4	3	265.4	4.0656	98
3613	Switchgear & switchboard apparatus	1	1	184.5	3.6939	100
8062	*General medical & surgical hospitals*	*2*	*2*	*100.6*	*.0557*	*100*
Bedford	**All mfg.**	**25**	**8**	**306.4**	**.0142**	**78**
Berks	**All mfg.**	**292**	**136**	**5,232.3**	**.2427**	**81**
2065	Confectionery products	7	4	222.2	2.8272	88
2252	Hosiery n.e.c.	3	3	67.4	4.1729	100
2254	Knit-underwear mills	9	6	98.6	8.6001	92
3079	Miscellaneous plastics products	8	3	62.0	.2602	78
3312	Blast furnaces & steel mills	2	1	280.1	.9465	97
3317	Steel pipe & tubes	2	2	111.3	1.7050	100
3321	Gray-iron foundries	8	3	96.5	1.0120	63
3631	Household cooking equipment	1	1	124.9	4.2905	100
3674	Semiconductors & related devices	1	1	255.2	2.3330	100
3691	Storage batteries	5	5	328.9	11.4944	100
3711	Motor vehicles & passenger-car bodies	2	2	129.3	.1348	100
3713	Truck & bus bodies	5	3	99.2	1.0827	89
4911	*Electric services*	*1*	*1*	*419.1*	*.3832*	*100*
8062	*General medical & surgical hospitals*	*6*	*6*	*252.3*	*.1396*	*100*
Blair	**All mfg.**	**72**	**36**	**1,322.3**	**.0613**	**84**
2253	Knit-outerwear mills	1	1	133.9	3.5348	100
2339	Women's & misses' outerwear n.e.c.	4	2	38.2	1.2461	90
8062	*General medical & surgical hospitals*	*6*	*6*	*151.2*	*.0837*	*100*
Bradford	**All mfg.**	**27**	**15**	**888.1**	**.0412**	**91**
3356	Nonferrous rolling & drawing n.e.c.	1	1	435.1	10.0425	100
8062	*General medical & surgical hospitals*	*3*	*2*	*65.3*	*.0361*	*92*
Bucks	**All mfg.**	**409**	**123**	**4,687.0**	**.2174**	**73**
1611	*Highway & street construction*	*2*	*1*	*170.6*	*.9864*	*98*
3079	Miscellaneous plastics products	24	9	226.3	.9499	84
3544	Special dies, tools, jigs, & fixtures	17	4	87.6	1.5230	68
3559	Special-industry machinery n.e.c.	7	2	99.1	1.1065	81
3823	Industrial process-control instruments	5	2	193.5	4.8489	95
8062	*General medical & surgical hospitals*	*10*	*8*	*299.1*	*.1655*	*99*
Butler	**All mfg.**	**80**	**33**	**1,348.2**	**.0625**	**79**
3369	Nonferrous foundries n.e.c.	1	1	68.6	3.8613	100
8062	*General medical & surgical hospitals*	*2*	*2*	*117.2*	*.0648*	*100*
Cambria	**All mfg.**	**63**	**22**	**986.5**	**.0458**	**83**
1211	*Bituminous-coal & lignite mining*	*11*	*5*	*378.0*	*2.3263*	*93*
3312	Blast furnaces & steel mills	1	1	234.9	.7938	100
3325	Steel foundries n.e.c.	1	1	132.8	2.5670	100
3743	Railroad equipment	1	1	115.2	2.4769	100
4911	*Electric services*	*2*	*1*	*593.3*	*.5424*	*97*
8062	*General medical & surgical hospitals*	*6*	*6*	*209.5*	*.1159*	*100*
Cameron	**All mfg.**	**6**	**4**	**48.7**	**.0023**	**95**
Carbon	**All mfg.**	**38**	**12**	**349.9**	**.0162**	**70**
2331	Women's & misses' blouses	11	4	90.8	2.5032	73
Centre	**All mfg.**	**37**	**19**	**711.0**	**.0330**	**92**
3356	Nonferrous rolling & drawing n.e.c.	1	1	197.1	4.5492	100
8221	*Colleges & universities n.e.c.*	*1*	*1*	*242.3*	*.9078*	*100*
Chester	**All mfg.**	**253**	**77**	**3,999.8**	**.1855**	**75**
2033	Canned fruits & vegetables	12	4	353.2	2.3370	78
2051	Bread, cake, & related products	1	1	97.3	.6109	100
2819	Industrial inorganic chemicals n.e.c.	2	1	58.1	.3410	94
2834	Pharmaceutical preparations	2	2	283.3	1.3275	100
3079	Miscellaneous plastics products	8	4	57.3	.2405	89
3312	Blast furnaces & steel mills	6	3	353.0	1.1929	91
3573	Electronic computing equipment	4	[illegible]	159.0	.3079	95
3621	Motors & generators	4	4	147.2	1.8894	100
3643	Current-carrying wiring devices	2	1	46.3	1.7015	97
3811	Engineering & scientific instruments	5	2	53.5	1.3762	88
6025	*National banks, federal reserve system*	*5*	*1*	*142.5*	*.1033*	*63*
8062	*General medical & surgical hospitals*	*10*	*9*	*376.2*	*.2081*	*100*
Clarion	**All mfg.**	**17**	**7**	**237.6**	**.0110**	**87**
1211	*Bituminous-coal & lignite mining*	*7*	*2*	*69.1*	*.4253*	*78*
3221	Glass containers	2	2	100.5	2.3494	100
Clearfield	**All mfg.**	**45**	**13**	**607.3**	**.0282**	**80**
1211	*Bituminous-coal & lignite mining*	*17*	*3*	*133.8*	*.8234*	*47*
2022	Natural & processed cheese	1	1	249.1	2.9579	100
8062	*General medical & surgical hospitals*	*3*	*3*	*56.9*	*.0315*	*100*
Clinton	**All mfg.**	**13**	**5**	**174.7**	**.0081**	**67**
Columbia	**All mfg.**	**65**	**29**	**679.9**	**.0315**	**83**
2099	Food preparations n.e.c.	1	1	135.6	1.1584	100
8062	*General medical & surgical hospitals*	*3*	*3*	*75.9*	*.0420*	*100*
Crawford	**All mfg.**	**67**	**23**	**1,063.5**	**.0493**	**80**
3423	Hand & edge tools n.e.c.	1	1	88.8	2.6711	100

1986 **S&MM** Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil)	% Of U S Ship Recpt	% In Large Estab
3964	Needles, pins, & fasteners	1	1	115.1	10.5781	100
Cumberland	**All mfg.**	**85**	**44**	**1,659.1**	**.0769**	**87**
2271	Woven carpets & rugs	1	1	68.1	19.1400	100
2272	Tufted carpets & rugs	1	1	81.9	1.6017	100
2711	Newspapers	4	2	59.3	.2683	89
3643	Current-carrying wiring devices	2	2	56.4	2.0727	100
3679	Electronic components n.e.c.	9	5	113.8	.5818	89
8062	*General medical & surgical hospitals*	*5*	*5*	*161.0*	*.0891*	*100*
8221	*Colleges & universities n.e.c.*	*3*	*3*	*54.1*	*.2027*	*100*
Dauphin	**All mfg.**	**95**	**31**	**2,465.9**	**.1144**	**87**
2065	Confectionery products	4	2	1,186.6	15.0980	99
3312	Blast furnaces & steel mills	1	1	234.9	.7938	100
3724	Aircraft engines & engine parts	1	1	220.1	2.4484	100
6025	*National banks, federal reserve system*	*2*	*1*	*238.6*	*.1729*	*96*
7011	*Hotels, motels, & tourist courts*	*10*	*4*	*33.4*	*.1075*	*63*
8062	*General medical & surgical hospitals*	*5*	*5*	*268.4*	*.1485*	*100*
Delaware	**All mfg.**	**197**	**60**	**9,538.2**	**.4423**	**94**
2621	Paper mills, except building paper	1	1	176.6	.8788	100
2731	Book publishing	4	1	68.8	.7009	79
2834	Pharmaceutical preparations	1	1	223.3	1.0464	100
2911	Petroleum refining	3	3	6,047.8	4.3137	100
3511	Turbines & turbine-generator set units	1	1	304.2	10.9009	100
3743	Railroad equipment	2	1	251.9	5.4160	98
3842	Surgical appliances & supplies	2	2	168.6	2.5302	100
3911	Precious-metal jewelry	1	1	202.8	4.9725	100
6025	*National banks, federal reserve system*	*2*	*2*	*453.1*	*.3283*	*100*
8062	*General medical & surgical hospitals*	*8*	*8*	*389.2*	*.2153*	*100*
Elk	**All mfg.**	**31**	**18**	**982.6**	**.0456**	**93**
3624	Carbon & graphite products	5	5	475.8	32.8977	100
Erie	**All mfg.**	**250**	**93**	**3,918.4**	**.1817**	**83**
2519	Household furniture n.e.c.	1	1	145.1	26.7860	100
2621	Paper mills, except building paper	2	1	202.6	1.0081	97
3069	Fabricated rubber products n.e.c.	2	1	50.4	.9366	93
3079	Miscellaneous plastics products	25	9	128.1	.5377	72
3321	Gray-iron foundries	7	5	101.6	1.0655	88
3462	Iron & steel forgings	5	2	170.6	3.2084	88
3494	Valves & pipe fittings	10	4	241.7	2.1317	86
3621	Motors & generators	2	1	74.2	.9524	94
3679	Electronic components n.e.c.	5	4	62.4	.3190	95
3743	Railroad equipment	1	1	598.8	12.8747	100
3842	Surgical appliances & supplies	1	1	62.8	.9425	100
8062	*General medical & surgical hospitals*	*7*	*6*	*209.6*	*.1160*	*98*
Fayette	**All mfg.**	**54**	**19**	**648.2**	**.0301**	**79**
8062	*General medical & surgical hospitals*	*2*	*2*	*62.3*	*.0345*	*100*
Forest	**All mfg.**	**5**	**3**	**26.4**	**.0012**	**72**
Franklin	**All mfg.**	**53**	**30**	**1,234.9**	**.0573**	**91**
2311	Men's & boys' suits & coats	1	1	115.5	3.1280	100
3531	Construction machinery	1	1	390.1	3.2229	100
3541	Metal-cutting machine tools	2	2	114.1	2.6182	100
8062	*General medical & surgical hospitals*	*2*	*2*	*69.7*	*.0386*	*100*
Fulton	**All mfg.**	**3**	**1**	**53.3**	**.0025**	**82**
Greene	**All mfg.**	**6**	**2**	**40.4**	**.0019**	**32**
1211	*Bituminous-coal & lignite mining*	*5*	*5*	*325.7*	*2.0045*	*100*
Huntingdon	**All mfg.**	**19**	**10**	**203.1**	**.0094**	**84**
Indiana	**All mfg.**	**30**	**9**	**299.4**	**.0139**	**75**
Jefferson	**All mfg.**	**32**	**10**	**377.9**	**.0175**	**81**
Juniata	**All mfg.**	**11**	**5**	**109.7**	**.0051**	**87**
Lackawanna	**All mfg.**	**198**	**68**	**1,979.9**	**.0918**	**73**
2335	Women's & misses' dresses	31	3	80.2	2.2926	24
3671	Electron tubes	1	1	71.4	4.1975	100
8062	*General medical & surgical hospitals*	*8*	*8*	*168.4*	*.0932*	*100*
Lancaster	**All mfg.**	**319**	**140**	**5,322.3**	**.2468**	**84**
2017	Poultry & egg processing	1	1	114.7	2.8709	100
2254	Knit-underwear mills	2	2	46.0	4.0122	100
2341	Women's & children's underwear	12	7	80.8	3.0678	84
2431	Millwork	6	4	74.1	1.2108	91
2752	Lithographic commercial printing	8	4	107.1	.8287	87
2834	Pharmaceutical preparations	2	2	201.1	.9423	100
3079	Miscellaneous plastics products	9	3	92.9	.3899	85
3322	Malleable-iron foundries	3	3	117.0	16.9002	100
3353	Aluminum sheet, plate, & foil	1	1	52.1	.9657	100
3441	Fabricated structural metal	5	4	282.8	1.3583	97
3523	Farm machinery & equipment	4	2	206.8	2.0776	98
3622	Industrial controls	1	1	19.2	.3668	100
3671	Electron tubes	2	2	127.5	7.4956	100
3674	Semiconductors & related devices	2	1	109.1	.9974	98
3996	Hard-surface floor coverings n.e.c.	2	1	583.3	45.1436	99
6025	*National banks, federal reserve system*	*10*	*2*	*277.7*	*.2012*	*73*
7011	*Hotels, motels, & tourist courts*	*13*	*5*	*89.4*	*.2878*	*86*
8062	*General medical & surgical hospitals*	*4*	*4*	*143.8*	*.0796*	*100*
Lawrence	**All mfg.**	**58**	**17**	**605.5**	**.0281**	**69**
2449	Wood containers n.e.c.	1	1	21.2	6.1325	100
4911	*Electric services*	*1*	*1*	*460.3*	*.4208*	*100*
8062	*General medical & surgical hospitals*	*3*	*3*	*73.9*	*.0409*	*100*
Lebanon	**All mfg.**	**92**	**39**	**1,170.2**	**.0543**	**84**
3564	Blowers & exhaust & ventilation fans	3	3	63.9	2.7997	100
8062	*General medical & surgical hospitals*	*4*	*4*	*139.1*	*.0770*	*100*

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship Recpt.	% In Large Estab
PENNSYLVANIA (cont.)						
Lehigh	**All mfg.**	**206**	**79**	**4,954.6**	**.2298**	**91**
2022	Natural & processed cheese	1	1	333.7	3.9624	100
2035	Pickles, sauces, & salad dressings	1	1	260.1	4.6942	100
2311	Men's & boys' suits & coats	1	1	50.2	1.3595	100
2331	Women's & misses' blouses	20	4	97.2	2.6796	42
2339	Women's & misses' outerwear n.e.c.	10	4	32.5	1.0602	59
2751	Letterpress commercial printing	6	2	44.3	.4735	80
3634	Electric housewares & fans	1	1	126.9	3.2992	100
3674	Semiconductors & related devices	2	1	334.3	3.0562	100
3711	Motor vehicles & passenger-car bodies	2	2	1,268.8	1.3225	100
3714	Motor-vehicle parts & accessories	1	1	96.5	.2524	100
4911	*Electric services*	*2*	*2*	*1,093.6*	*.9999*	*100*
8062	*General medical & surgical hospitals*	*7*	*6*	*251.3*	*.1390*	*99*
Luzerne	**All mfg.**	**286**	**101**	**2,681.6**	**.1244**	**73**
2121	Cigars	3	3	75.8	17.6443	100
2335	Women's & misses' dresses	64	14	222.1	6.3490	44
2339	Women's & misses' outerwear n.e.c.	9	3	36.8	1.2004	68
3229	Pressed & blown glass n.e.c.	1	1	72.8	1.7906	100
6025	*National banks, federal reserve system*	*11*	*2*	*206.7*	*.1498*	*63*
8062	*General medical & surgical hospitals*	*9*	*9*	*268.1*	*.1483*	*100*
8221	*Colleges & universities n.e.c.*	*6*	*5*	*79.2*	*.2967*	*98*
Lycoming	**All mfg.**	**89**	**47**	**1,294.3**	**.0600**	**86**
3724	Aircraft engines & engine parts	1	1	88.0	.9789	100
8062	*General medical & surgical hospitals*	*4*	*4*	*139.1*	*.0770*	*100*
McKean	**All mfg.**	**40**	**21**	**956.5**	**.0444**	**93**
3676	Electronic resistors	2	2	105.8	13.5502	100
Mercer	**All mfg.**	**48**	**19**	**1,165.3**	**.0540**	**88**
3312	Blast furnaces & steel mills	2	2	434.9	1.4696	100
3317	Steel pipe & tubes	5	5	258.5	3.9599	100
8062	*General medical & surgical hospitals*	*4*	*4*	*114.0*	*.0631*	*100*
Mifflin	**All mfg.**	**25**	**12**	**467.3**	**.0217**	**86**
3312	Blast furnaces & steel mills	1	1	130.8	.4420	100
Monroe	**All mfg.**	**41**	**15**	**408.1**	**.0189**	**74**
7011	*Hotels, motels, & tourist courts*	*31*	*8*	*70.0*	*.2253*	*66*
Montgomery	**All mfg.**	**641**	**230**	**9,027.0**	**.4186**	**79**
1611	*Highway & street construction*	*10*	*4*	*133.6*	*.7725*	*87*
1623	*Pipe- & utility-line construction*	*3*	*2*	*106.8*	*1.7979*	*98*
2051	Bread, cake, & related products	4	3	88.3	.5544	98
2335	Women's & misses' dresses	4	2	53.9	1.5408	91
2521	Wood office furniture	2	1	415.7	17.7210	99
2752	Lithographic commercial printing	10	2	89.6	.6933	65
2821	Plastics materials & synthetic resins	4	3	142.6	.6693	92
2869	Industrial organic chemicals n.e.c.	3	3	174.0	.5455	100
3079	Miscellaneous plastics products	20	5	114.4	.4802	64
3231	Products of purchased glass	5	3	75.1	3.1644	89
3253	Ceramic wall & floor tile	1	1	48.1	10.4203	100
3317	Steel pipe & tubes	5	3	191.4	2.9320	91
3321	Gray-iron foundries	3	1	69.1	.7247	82
3452	Bolts, nuts, rivets, & washers	4	2	129.5	3.3518	95
3566	Speed changers, drives, & gears	6	3	117.5	6.3641	87
3573	Electronic computing equipment	13	7	362.5	.7020	93
3674	Semiconductors & related devices	6	4	90.9	.8310	92
3679	Electronic components n.e.c.	13	9	134.5	.6876	89
3714	Motor-vehicle parts & accessories	4	2	63.7	.1666	78
3811	Engineering & scientific instruments	8	5	100.8	2.5929	95
3823	Industrial process-control instruments	8	5	494.5	12.3916	98
3841	Surgical & medical instruments	7	5	82.0	1.6204	96
4011	*Line-haul-operating railroads*	*7*	*1*	*225.7*	*.9123*	*92*
5081	*Commercial-equipment wholesalers*	*8*	*1*	*115.1*	*1.8918*	*90*
6025	*National banks, federal reserve system*	*6*	*5*	*1,158.5*	*.8395*	*100*
7011	*Hotels, motels, & tourist courts*	*12*	*7*	*58.0*	*.1867*	*84*
7372	*Computer programming & software*	*21*	*6*	*178.1*	*1.5583*	*78*
8062	*General medical & surgical hospitals*	*16*	*12*	*567.9*	*.3142*	*97*
Montour	**All mfg.**	**8**	**6**	**258.7**	**.0120**	**98**
8062	*General medical & surgical hospitals*	*2*	*2*	*216.5*	*.1198*	*100*
Northampton	**All mfg.**	**210**	**73**	**2,558.1**	**.1186**	**80**
2331	Women's & misses' blouses	42	11	270.6	7.4599	59
2339	Women's & misses' outerwear n.e.c.	18	7	93.6	3.0532	82
3312	Blast furnaces & steel mills	1	1	620.2	2.0958	100
8062	*General medical & surgical hospitals*	*2*	*2*	*72.1*	*.0399*	*100*
Northumberland	**All mfg.**	**71**	**27**	**1,116.8**	**.0518**	**77**
2032	Canned food specialties	1	1	317.7	7.8711	100
Perry	**All mfg.**	**10**	**2**	**50.5**	**.0023**	**50**
Philadelphia	**All mfg.**	**992**	**308**	**15,835.6**	**.7344**	**82**
1622	*Bridge & tunnel construction*	*2*	*1*	*230.1*	*3.4065*	*97*
1623	*Pipe- & utility-line construction*	*3*	*2*	*91.2*	*1.5353*	*98*
1629	*Heavy construction n.e.c.*	*4*	*4*	*1,439.9*	*5.4559*	*100*
2011	Meat-packing plants	5	3	365.7	.8189	96
2013	Sausages & other prepared meats	11	5	276.9	1.9303	90
2051	Bread, cake, & related products	16	8	406.2	2.5503	93
2052	Cookies & crackers	2	1	203.2	4.4131	99
2065	Confectionery products	15	6	301.2	3.8324	82
2082	Malt beverages	2	2	392.8	3.4855	100
2253	Knit-outerwear mills	15	10	196.5	5.1874	92
2311	Men's & boys' suits & coats	33	19	286.4	7.7563	91
2335	Women's & misses' dresses	12	7	84.5	2.4155	81
2651	Folding paperboard boxes	11	4	132.1	3.0215	39
2653	Corrugated & solid fiber boxes	12	7	132.2	1.2580	81
2711	Newspapers	10	3	433.4	1.9607	96
2721	Periodicals	10	6	286.8	2.3457	97
2731	Book publishing	8	3	148.0	1.5078	76
2751	Letterpress commercial printing	28	4	86.3	.9224	54
2752	Lithographic commercial printing	28	6	164.4	1.2720	56
2791	Typesetting	10	3	68.4	6.5998	70
2821	Plastics materials & synthetic resins	3	2	399.7	1.8761	98
2834	Pharmaceutical preparations	10	4	927.9	4.3481	97
2851	Paints & allied products	6	3	150.6	1.3457	87
2911	Petroleum refining	2	1	1,911.4	1.3633	98
3411	Metal cans	3	3	207.3	1.8884	100
3444	Sheet-metal work	13	6	199.1	1.6801	86
3469	Metal stampings n.e.c.	9	2	103.6	.8871	73
3562	Ball & roller bearings	3	3	102.2	2.7506	100
3645	Residential electric lighting fixtures	13	4	109.0	8.3448	81
3714	Motor-vehicle parts & accessories	6	2	404.9	1.0589	96
3721	Aircraft	1	1	899.7	3.1109	100
3731	Ship building & repairing	3	2	310.2	3.9478	99
4011	*Line-haul-operating railroads*	*8*	*6*	*1,657.5*	*6.6998*	*100*
5063	*Electrical-power-equipment wholesalers*	*27*	*3*	*203.3*	*1.6119*	*48*
5085	*Industrial-supply distributors*	*26*	*2*	*202.5*	*1.0212*	*40*
6025	*National banks, federal reserve system*	*4*	*4*	*992.0*	*.7188*	*100*
7011	*Hotels, motels, & tourist courts*	*24*	*15*	*162.5*	*.5230*	*90*
8062	*General medical & surgical hospitals*	*45*	*43*	*2,226.0*	*1.2316*	*100*
8221	*Colleges & universities n.e.c.*	*10*	*5*	*273.9*	*1.0262*	*96*
Pike	**All mfg.**	**3**	**1**	**31.9**	**.0015**	**74**
Potter	**All mfg.**	**13**	**3**	**86.0**	**.0040**	**72**
Schuylkill	**All mfg.**	**127**	**58**	**1,385.2**	**.0642**	**78**
2254	Knit underwear mills	11	7	72.6	6.3323	87
2321	Men's & boys' shirts & nightwear	8	6	65.9	1.8380	93
2335	Women's & misses' dresses	9	3	45.7	1.3064	66
3079	Miscellaneous plastics products	4	3	42.0	.1763	94
8062	*General medical & surgical hospitals*	*3*	*3*	*89.4*	*.0495*	*100*
Snyder	**All mfg.**	**30**	**12**	**307.1**	**.0142**	**70**
Somerset	**All mfg.**	**44**	**16**	**345.7**	**.0160**	**62**
Sullivan	**All mfg.**	**3**	**1**	**26.2**	**.0012**	**78**
Susquehanna	**All mfg.**	**17**	**6**	**128.5**	**.0060**	**72**
Tioga	**All mfg.**	**14**	**7**	**212.5**	**.0099**	**90**
Union	**All mfg.**	**15**	**8**	**290.7**	**.0135**	**85**
Venango	**All mfg.**	**53**	**16**	**1,342.2**	**.0622**	**77**
3532	Mining machinery	3	3	187.2	6.8083	100
3563	Air & gas compressors	1	1	82.5	2.5139	100
Warren	**All mfg.**	**36**	**11**	**1,066.5**	**.0495**	**90**
3462	Iron & steel forgings	1	1	133.8	2.5163	100
8062	*General medical & surgical hospitals*	*3*	*2*	*75.4*	*.0417*	*97*
Washington	**All mfg.**	**108**	**29**	**1,226.6**	**.0569**	**86**
1211	*Bituminous-coal & lignite mining*	*6*	*5*	*157.9*	*.9718*	*98*
3316	Cold-rolled steel sheet, strip, & bars	3	2	163.2	2.5146	94
3612	Transformers	1	1	49.5	1.7526	100
8062	*General medical & surgical hospitals*	*3*	*2*	*132.5*	*.0733*	*97*
Wayne	**All mfg.**	**15**	**4**	**159.0**	**.0074**	**85**
Westmoreland	**All mfg.**	**181**	**69**	**4,224.6**	**.1959**	**88**
1211	*Bituminous-coal & lignite mining*	*7*	*6*	*218.5*	*1.3447*	*95*
3229	Pressed & blown glass n.e.c.	9	4	100.9	2.4817	82
3312	Blast furnaces & steel mills	4	3	266.1	.8992	99
3316	Cold-rolled steel sheet, strip, & bars	2	1	121.0	1.8643	91
3334	Primary aluminum	1	1	228.6	4.1385	100
3563	Air & gas compressors	2	1	482.4	14.6997	100
3644	Non-current-carrying wiring devices	2	1	353.2	11.5267	99
3711	Motor vehicles & passenger-car bodies	1	1	935.1	.9747	100
3822	Environmental controls	2	2	32.3	1.8721	100
6025	*National banks, federal reserve system*	*7*	*2*	*781.5*	*.5663*	*97*
8062	*General medical & surgical hospitals*	*7*	*6*	*251.0*	*.1389*	*99*
Wyoming	**All mfg.**	**13**	**3**	**869.2**	**.0403**	**97**
2621	Paper mills, except building paper	1	1	829.0	4.1251	100
York	**All mfg.**	**282**	**120**	**4,494.1**	**.2084**	**86**
2361	Girls' & children's dresses & blouses	5	5	63.2	5.0792	100
2522	Metal office furniture	2	2	106.8	3.1774	100
2621	Paper mills, except building paper	1	1	203.0	1.0101	100
3496	Miscellaneous fabricated wire products	9	7	180.8	4.0252	97
3531	Construction machinery	4	3	361.6	2.9874	99
3585	Refrigeration & heating equipment	3	2	201.6	1.2958	99
3622	Industrial controls	5	3	94.1	1.7976	85
3711	Motor vehicles & passenger-car bodies	1	1	561.2	.5850	100
3843	Dental equipment & supplies	1	1	45.5	3.0087	100

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil)	% Of U S Ship Recpt	% In Large Estab
4912	*Nuclear power*	*1*	*1*	*2,671.9*	*9.5005*	*100*
8062	*General medical & surgical hospitals*	*3*	*3*	*174.7*	*.0967*	*100*
STATE TOTAL	**All mfg.**	**7,433**	**2,724**	**124,945.5**	**5.7945**	**83**

RHODE ISLAND

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil)	% Of U S Ship Recpt	% In Large Estab
Bristol	**All mfg.**	**50**	**19**	**359.8**	**.0167**	**71**
3161	Luggage	2	2	60.9	9.0774	100
Kent	**All mfg.**	**165**	**42**	**1,524.5**	**.0707**	**68**
3643	Current-carrying wiring devices	3	2	76.3	2.8040	97
3961	Costume jewelry	6	3	92.1	6.0149	92
8062	*General medical & surgical hospitals*	*1*	*1*	*57.1*	*.0316*	*100*
Newport	**All mfg.**	**23**	**6**	**304.8**	**.0141**	**82**
3662	Radio & TV communication equipment	1	1	144.6	.4284	100
8062	*General medical & surgical hospitals*	*2*	*2*	*71.7*	*.0397*	*100*
Providence	**All mfg.**	**1,205**	**303**	**10,702.5**	**.4963**	**65**
2221	Synthetics- & silk-weaving mills	10	5	104.8	1.7829	87
2241	Narrow-fabric mills	29	12	126.9	12.1528	77
2261	Cotton-finishing plants	6	5	79.2	5.5897	99
2269	Textile-finishing plants n.e.c.	9	5	122.2	13.6080	91
2652	Set-up paperboard boxes	10	3	51.9	9.4916	78
2711	Newspapers	11	4	106.4	.4814	89
2751	Letterpress commercial printing	20	3	45.0	.4809	38
3079	Miscellaneous plastics products	45	12	249.2	1.0460	66
3357	Nonferrous-wire drawing & insulating	11	8	325.0	4.6203	96
3451	Screw-machine products	19	3	66.7	3.0106	42
3469	Metal stampings n.e.c.	21	2	82.2	.7039	28
3471	Plating & polishing	47	3	91.5	3.7548	17
3496	Miscellaneous fabricated wire products	10	5	104.3	2.3221	85
3541	Metal-cutting machine tools	17	3	87.2	2.0010	40
3599	Machinery, except electrical, n.e.c.	17	5	87.5	.7645	60
3679	Electronic components n.e.c.	9	3	84.8	.4335	81
3842	Surgical appliances & supplies	8	3	182.0	2.7313	90
3911	Precious-metal jewelry	125	24	939.9	23.0458	53
3914	Silverware & plated & stainless ware	10	2	71.6	13.1112	75
3915	Jewelers' materials & lapidary work	48	9	608.9	55.9548	66
3944	Games, toys, & children's vehicles	4	3	336.5	4.7077	96
3951	Pens & mechanical pencils	1	1	98.0	9.5146	100
3961	Costume jewelry	113	35	910.2	59.4436	79
3964	Needles, pins, & fasteners	8	6	102.8	9.4477	94
4911	*Electric services*	*3*	*2*	*308.4*	*.2820*	*99*
6025	*National banks, federal reserve system*	*4*	*4*	*604.3*	*.4379*	*100*
8062	*General medical & surgical hospitals*	*13*	*13*	*791.1*	*.4377*	*100*
8221	*Colleges & universities n.e.c.*	*4*	*4*	*87.9*	*.3293*	*100*
Washington	**All mfg.**	**65**	**18**	**863.8**	**.0401**	**77**
3545	Machine-tool accessories	1	1	34.6	1.0512	100
3731	Ship building & repairing	2	1	234.9	2.9895	100
8062	*General medical & surgical hospitals*	*2*	*2*	*56.9*	*.0315*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*64.2*	*.2405*	*100*
STATE TOTAL	**All mfg.**	**1,509**	**388**	**13,755.4**	**.6379**	**67**

SOUTH CAROLINA

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil)	% Of U S Ship Recpt	% In Large Estab
Abbeville	**All mfg.**	**18**	**13**	**297.5**	**.0138**	**96**
Aiken	**All mfg.**	**47**	**28**	**2,423.0**	**.1124**	**96**
2211	Cotton-weaving mills	3	3	51.1	1.0473	100
2221	Synthetics- & silk-weaving mills	2	2	83.5	1.4205	100
2262	Synthetics- & silk-finishing plants	2	2	190.4	8.0165	100
2647	Sanitary paper products	2	2	299.8	3.2197	100
2819	Industrial inorganic chemicals n.e.c.	2	1	1,180.2	6.9275	100
3229	Pressed & blown glass n.e.c.	1	1	167.8	4.1272	100
Allendale	**All mfg.**	**9**	**5**	**143.2**	**.0066**	**83**
Anderson	**All mfg.**	**95**	**56**	**1,855.7**	**.0861**	**92**
2211	Cotton-weaving mills	10	9	163.5	3.3509	99
2221	Synthetics- & silk-weaving mills	12	12	299.8	5.1003	100
2281	Yarn-spinning mills, except wool	2	2	98.8	1.9404	100
2824	Noncellulosic synthetic organic fibers	1	1	202.9	2.8903	100
3069	Fabricated rubber products n.e.c.	2	2	67.9	1.2618	100
3229	Pressed & blown glass n.e.c.	1	1	147.6	3.6304	100
3635	Household vacuum cleaners	2	2	109.8	15.3224	100
8062	*General medical & surgical hospitals*	*2*	*1*	*73.1*	*.0404*	*98*
Bamberg	**All mfg.**	**17**	**5**	**84.1**	**.0039**	**45**
Barnwell	**All mfg.**	**16**	**11**	**288.0**	**.0134**	**89**
Beaufort	**All mfg.**	**18**	**5**	**146.2**	**.0068**	**59**
7011	*Hotels, motels, & tourist courts*	*11*	*7*	*115.4*	*.3714*	*95*
Berkeley	**All mfg.**	**25**	**16**	**552.6**	**.0256**	**91**
2824	Noncellulosic synthetic organic fibers	1	1	134.2	1.9117	100
Calhoun	**All mfg.**	**6**	**2**	**159.1**	**.0074**	**19**
Charleston	**All mfg.**	**109**	**33**	**1,603.3**	**.0744**	**73**
2631	Paperboard mills	1	1	232.7	2.8699	100
2861	Gum & wood chemicals	1	1	134.5	15.3050	100
3731	Ship building & repairing	7	6	59.5	.7572	93
6025	*National banks, federal reserve system*	*2*	*2*	*479.6*	*.3475*	*100*
7011	*Hotels, motels, & tourist courts*	*20*	*4*	*56.9*	*.1831*	*5[illegible]*
8062	*General medical & surgical hospitals*	*8*	*8*	*411.7*	*.2278*	*100*
Cherokee	**All mfg.**	**32**	**17**	**610.2**	**.0283**	**90**
2038	Frozen food specialties	1	1	211.4	4.9380	100
2211	Cotton-weaving mills	3	3	43.5	.8915	100
2261	Cotton-finishing plants	3	2	42.6	3.0066	95
Chester	**All mfg.**	**31**	**19**	**373.5**	**.0173**	**83**
2211	Cotton-weaving mills	3	3	45.1	.9243	100
2221	Synthetics- & silk-weaving mills	4	4	63.5	1.0803	100
Chesterfield	**All mfg.**	**45**	**29**	**649.5**	**.0301**	**90**
Clarendon	**All mfg.**	**14**	**7**	**84.4**	**.0039**	**86**
Colleton	**All mfg.**	**22**	**11**	**201.7**	**.0094**	**71**
Darlington	**All mfg.**	**29**	**16**	**675.3**	**.0313**	**90**
2649	Converted paper products n.e.c.	1	1	93.9	1.9675	100
4912	*Nuclear power*	*1*	*1*	*382.9*	*1.3615*	*100*
Dillon	**All mfg.**	**18**	**9**	**137.8**	**.0064**	**71**
Dorchester	**All mfg.**	**25**	**7**	**299.7**	**.0139**	**73**
Edgefield	**All mfg.**	**15**	**7**	**185.3**	**.0086**	**81**
Fairfield	**All mfg.**	**10**	**5**	**174.5**	**.0081**	**92**
Florence	**All mfg.**	**69**	**34**	**1,271.2**	**.0590**	**85**
2824	Noncellulosic synthetic organic fibers	2	2	224.2	3.1937	100
8062	*General medical & surgical hospitals*	*3*	*3*	*91.5*	*.0506*	*100*
Georgetown	**All mfg.**	**29**	**9**	**497.7**	**.0231**	**78**
2653	Corrugated & solid fiber boxes	1	1	71.3	.6785	100
Greenville	**All mfg.**	**299**	**122**	**4,625.9**	**.2145**	**84**
1629	*Heavy construction n.e.c.*	*5*	*2*	*727.2*	*2.7554*	*94*
2211	Cotton-weaving mills	7	6	91.7	1.8794	97
2221	Synthetics- & silk-weaving mills	10	7	286.5	4.8740	95
2261	Cotton-finishing plants	3	3	25.7	1.8138	100
2272	Tufted carpets & rugs	3	3	173.1	3.3852	100
2369	Girls' & children's outerwear n.e.c.	1	1	38.3	3.3014	100
2643	Bags, except textile bags	4	1	144.8	2.7919	90
2824	Noncellulosic synthetic organic fibers	2	2	416.0	5.9258	100
3011	Tires & inner tubes	1	1	250.5	3.4427	100
3079	Miscellaneous plastics products	11	2	64.6	.2712	69
3552	Textile machinery	26	9	188.9	10.9590	78
3675	Electronic capacitors	1	1	92.6	5.9022	100
8062	*General medical & surgical hospitals*	*5*	*4*	*120.4*	*.0666*	*96*
8221	*Colleges & universities n.e.c.*	*3*	*3*	*76.3*	*.2859*	*100*
Greenwood	**All mfg.**	**44**	**28**	**550.8**	**.0255**	**88**
2211	Cotton-weaving mills	6	6	57.9	1.1866	100
2221	Synthetics- & silk-weaving mills	5	5	89.5	1.5226	100
Hampton	**All mfg.**	**15**	**4**	**181.7**	**.0084**	**57**
3079	Miscellaneous plastics products	2	1	71.2	.2989	98
Horry	**All mfg.**	**38**	**12**	**340.5**	**.0158**	**77**
3675	Electronic capacitors	1	1	106.8	6.8073	100
7011	*Hotels, motels, & tourist courts*	*89*	*9*	*141.9*	*.4567*	*37*
8062	*General medical & surgical hospitals*	*4*	*4*	*71.4*	*.0395*	*100*
Jasper	**All mfg.**	**3**	**1**	**14.7**	**.0007**	**80**
Kershaw	**All mfg.**	**37**	**18**	**974.1**	**.0452**	**76**
2211	Cotton-weaving mills	3	3	25.0	.5124	100
2824	Noncellulosic synthetic organic fibers	1	1	264.8	3.7720	100
Lancaster	**All mfg.**	**23**	**10**	**451.0**	**.0209**	**85**
2211	Cotton-weaving mills	3	3	122.4	2.5086	100
Laurens	**All mfg.**	**34**	**21**	**752.6**	**.0349**	**92**
2211	Cotton-weaving mills	3	3	64.1	1.3137	100
2221	Synthetics- & silk-weaving mills	4	4	365.0	6.2095	100
3562	Ball & roller bearings	1	1	60.7	1.6337	100
Lee	**All mfg.**	**9**	**4**	**94.4**	**.0044**	**82**
Lexington	**All mfg.**	**83**	**34**	**1,342.8**	**.0623**	**76**
McCormick	**All mfg.**	**3**	**1**	**21.1**	**.0010**	**68**
Marion	**All mfg.**	**23**	**15**	**399.6**	**.0185**	**91**
Marlboro	**All mfg.**	**16**	**11**	**310.7**	**.0144**	**93**
Newberry	**All mfg.**	**25**	**16**	**402.0**	**.0186**	**92**
2016	Poultry-dressing plants	1	1	65.6	.9687	100
2211	Cotton-weaving mills	3	3	45.0	.9223	100
Oconee	**All mfg.**	**32**	**20**	**331.4**	**.0154**	**83**
2211	Cotton-weaving mills	4	4	65.6	1.3445	100
4912	*Nuclear power*	*3*	*3*	*562.2*	*1.9990*	*100*
Orangeburg	**All mfg.**	**49**	**21**	**719.4**	**.0334**	**82**
3524	Lawn & garden equipment	1	1	68.8	3.9663	100
Pickens	**All mfg.**	**56**	**33**	**1,252.9**	**.0581**	**95**
2211	Cotton-weaving mills	8	8	123.9	2.5393	100
2261	Cotton-finishing plants	1	1	66.9	4.7216	100
2282	Throwing & winding mills, except wool	3	3	225.5	9.5192	100
3546	Power-driven hand tools	1	1	77.1	5.9633	100
Richland	**All mfg.**	**105**	**47**	**2,216.3**	**.1028**	**87**
2824	Noncellulosic synthetic organic fibers	2	2	274.5	3.9102	100
2891	Adhesives & sealants	1	1	563.3	11.6676	100
3679	Electronic components n.e.c.	2	1	96.2	.4918	98
4931	*Electric & other services combined*	*1*	*1*	*533.6*	*1.8042*	*100*
7011	*Hotels, motels, & tourist courts*	*20*	*4*	*52.7*	*.1696*	*53*
8062	*General medical & surgical hospitals*	*9*	*8*	*501.2*	*.2773*	*99*
8221	*Colleges & universities n.e.c.*	*5*	*4*	*135.4*	*.5073*	*97*
Saluda	**All mfg.**	**12**	**5**	**150.2**	**.0070**	**80**
Spartanburg	**All mfg.**	**197**	**89**	**3,067.8**	**.1423**	**82**
2211	Cotton-weaving mills	14	12	288.6	5.9148	98
2221	Synthetics- & silk-weaving mills	8	6	135.0	2.2967	92

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil)	% Of U S Ship Recpt	% In Large Estab
SOUTH CAROLINA (Spartanburg, cont.)						
2321	Men's & boys' shirts & nightwear	3	3	37.8	1.0543	100
2824	Noncellulosic synthetic organic fibers	3	2	438.8	6.2506	99
3011	Tires & inner tubes	2	1	196.7	2.7033	95
3079	Miscellaneous plastics products	8	4	114.8	.4819	92
3552	Textile machinery	17	2	72.1	4.1829	52
8062	*General medical & surgical hospitals*	*3*	*2*	*106.7*	*.0590*	*96*
8221	*Colleges & universities n.e.c.*	*4*	*4*	*53.7*	*.2012*	*100*
Sumter	**All mfg.**	**63**	**20**	**777.7**	**.0361**	**72**
2038	Frozen food specialties	1	1	123.4	2.8824	100
2511	Wood household furniture	2	2	68.6	.9472	100
8062	*General medical & surgical hospitals*	*2*	*2*	*59.8*	*.0331*	*100*
Union	**All mfg.**	**23**	**15**	**349.1**	**.0162**	**90**
2261	Cotton-finishing plants	3	3	51.7	3.6488	100
Williamsburg	**All mfg.**	**20**	**7**	**348.0**	**.0161**	**84**
3842	Surgical-appliances & supplies	1	1	174.0	2.6113	100
York	**All mfg.**	**82**	**30**	**1,756.7**	**.0815**	**88**
2253	Knit outerwear mills	3	3	94.9	2.5053	100
2261	Cotton-finishing plants	4	1	23.8	1.6797	84
2262	Synthetics- & silk-finishing plants	1	1	92.3	3.8862	100
2621	Paper mills, except building paper	1	1	239.2	1.1903	100
2823	Cellulosic man-made fibers	2	2	344.4	16.0732	100
STATE TOTAL	**All mfg.**	**1,990**	**928**	**34,144.9**	**1.5835**	**85**
SOUTH DAKOTA						
Beadle	**All mfg.**	**15**	**2**	**108.7**	**.0050**	**40**
Bennett	**All mfg.**	**1**		**5.5**	**.0003**	**0**
Bon Homme	**All mfg.**	**5**	**1**	**23.0**	**.0011**	**69**
Brookings	**All mfg.**	**18**	**4**	**269.8**	**.0125**	**67**
Brown	**All mfg.**	**22**	**6**	**176.8**	**.0082**	**56**
Brule	**All mfg.**	**1**		**1.9**	**.0001**	**0**
Butte	**All mfg.**	**6**		**31.0**	**.0014**	**0**
Campbell	**All mfg.**	**1**		**7.0**	**.0003**	**0**
Charles Mix	**All mfg.**	**1**		**19.2**	**.0009**	**0**
Clark	**All mfg.**	**2**	**2**	**39.7**	**.0018**	**100**
Clay	**All mfg.**	**3**		**4.4**	**.0002**	**0**
Codington	**All mfg.**	**26**	**4**	**131.7**	**.0061**	**41**
Corson	**All mfg.**	**1**		**4.2**	**.0002**	**0**
Custer	**All mfg.**	**2**		**4.2**	**.0002**	**0**
Davison	**All mfg.**	**20**	**4**	**168.7**	**.0078**	**50**
Day	**All mfg.**	**3**	**1**	**18.5**	**.0009**	**61**
Deuel	**All mfg.**	**3**		**4.4**	**.0002**	**0**
Douglas	**All mfg.**	**3**		**8.1**	**.0004**	**0**
Edmunds	**All mfg.**	**1**		**3.3**	**.0002**	**0**
Fall River	**All mfg.**	**3**		**7.8**	**.0004**	**0**
Grant	**All mfg.**	**7**	**1**	**59.1**	**.0027**	**46**
Gregory	**All mfg.**	**3**		**5.0**	**.0002**	**0**
Haakon	**All mfg.**	**1**		**8.3**	**.0004**	**0**
Hand	**All mfg.**	**3**		**15.8**	**.0007**	**0**
Hughes	**All mfg.**	**3**		**7.1**	**.0003**	**0**
Hutchinson	**All mfg.**	**7**		**32.0**	**.0015**	**0**
Kingsbury	**All mfg.**	**8**		**21.6**	**.0010**	**0**
Lake	**All mfg.**	**11**	**3**	**62.7**	**.0029**	**66**
Lawrence	**All mfg.**	**11**	**1**	**55.9**	**.0026**	**31**
Lincoln	**All mfg.**	**21**	**5**	**826.2**	**.0383**	**91**
2013	Sausages & other prepared meats	1	1	667.0	4.7701	100
Lyman	**All mfg.**	**1**		**2.9**	**.0001**	**0**
McCook	**All mfg.**	**5**	**1**	**21.6**	**.0010**	**41**
McPherson	**All mfg.**	**1**		**13.7**	**.0006**	**0**
Marshall	**All mfg.**	**7**		**23.2**	**.0011**	**0**
Meade	**All mfg.**	**5**		**30.9**	**.0014**	**0**
Miner	**All mfg.**	**2**		**11.1**	**.0005**	**0**
Minnehaha	**All mfg.**	**74**	**15**	**626.9**	**.0291**	**51**
7011	*Hotels, motels, & tourist courts*	*4*	*2*	*41.6*	*.1339*	*92*
Moody	**All mfg.**	**3**	**1**	**16.2**	**.0008**	**58**
Pennington	**All mfg.**	**35**	**8**	**348.0**	**.0161**	**54**
Perkins	**All mfg.**	**1**		**6.3**	**.0003**	**0**
Potter	**All mfg.**	**4**		**16.7**	**.0008**	**0**
Roberts	**All mfg.**	**2**		**4.2**	**.0002**	**0**
Shannon	**All mfg.**	**1**	**1**	**5.6**	**.0003**	**100**
Spink	**All mfg.**	**3**		**25.2**	**.0012**	**0**

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil)	% Of U S Ship Recpt	% In Large Estab
Stanley	**All mfg.**	**1**		**17.5**	**.0008**	**0**
Turner	**All mfg.**	**3**		**35.1**	**.0016**	**0**
Union	**All mfg.**	**10**	**2**	**158.2**	**.0073**	**83**
Walworth	**All mfg.**	**1**		**1.2**	**.0001**	**0**
Yankton	**All mfg.**	**15**	**8**	**176.0**	**.0082**	**85**
STATE TOTAL	**All mfg.**	**386**	**70**	**3,672.1**	**.1703**	**59**
TENNESSEE						
Anderson	**All mfg.**	**34**	**11**	**2,187.9**	**.1015**	**94**
1629	*Heavy construction n.e.c.*	*2*	*2*	*198.2*	*.7510*	*100*
2819	Industrial inorganic chemicals n.e.c.	3	2	1,872.1	10.9888	99
Bedford	**All mfg.**	**24**	**11**	**254.6**	**.0118**	**82**
Benton	**All mfg.**	**8**	**3**	**48.8**	**.0023**	**73**
Bledsoe	**All mfg.**	**5**	**3**	**23.1**	**.0011**	**84**
Blount	**All mfg.**	**29**	**10**	**1,053.2**	**.0488**	**92**
3334	Primary aluminum	1	1	666.8	12.0714	100
3353	Aluminum sheet, plate, & foil	1	1	124.9	2.3151	100
Bradley	**All mfg.**	**53**	**28**	**840.9**	**.0390**	**89**
2311	Men's & boys' suits & coats	3	3	50.4	1.3649	100
2328	Men's & boys' work clothing	1	1	16.0	.4496	100
3631	Household cooking equipment	3	3	132.1	4.5378	100
Campbell	**All mfg.**	**14**	**7**	**184.7**	**.0086**	**88**
Cannon	**All mfg.**	**5**	**2**	**24.1**	**.0011**	**79**
Carroll	**All mfg.**	**17**	**8**	**203.1**	**.0094**	**76**
Carter	**All mfg.**	**17**	**11**	**355.5**	**.0165**	**95**
2823	Cellulosic man made fibers	1	1	139.1	6.4918	100
Cheatham	**All mfg.**	**6**	**3**	**243.5**	**.0113**	**92**
3639	Household appliances n.e.c.	1	1	179.1	8.8738	100
Chester	**All mfg.**	**5**	**1**	**22.9**	**.0011**	**42**
Claiborne	**All mfg.**	**9**	**7**	**88.5**	**.0041**	**93**
Clay	**All mfg.**	**4**	**1**	**11.4**	**.0005**	**16**
Cocke	**All mfg.**	**13**	**9**	**306.9**	**.0142**	**87**
Coffee	**All mfg.**	**34**	**13**	**374.3**	**.0174**	**80**
Crockett	**All mfg.**	**8**	**4**	**63.1**	**.0029**	**61**
Cumberland	**All mfg.**	**16**	**6**	**135.7**	**.0063**	**51**
Davidson	**All mfg.**	**318**	**103**	**4,399.4**	**.2040**	**77**
2011	Meat-packing plants	5	4	379.8	.8505	96
2711	Newspapers	5	3	250.3	1.1324	98
2751	Letterpress commercial printing	12	4	80.5	.8604	76
2824	Noncellulosic synthetic organic fibers	1	1	409.3	5.8304	100
3728	Aircraft equipment n.e.c.	1	1	269.5	2.2341	100
5084	*Industrial-machinery distributors*	*17*	*3*	*147.0*	*.8634*	*52*
6025	*National banks, federal reserve system*	*3*	*2*	*508.9*	*.3688*	*99*
7011	*Hotels, motels, & tourist courts*	*46*	*5*	*140.3*	*.4516*	*56*
8062	*General medical & surgical hospitals*	*13*	*13*	*576.3*	*.3188*	*100*
8221	*Colleges & universities n.e.c.*	*7*	*4*	*54.4*	*.2038*	*87*
Decatur	**All mfg.**	**8**	**3**	**52.3**	**.0024**	**78**
De Kalb	**All mfg.**	**12**	**6**	**86.0**	**.0040**	**85**
Dickson	**All mfg.**	**10**	**4**	**93.3**	**.0043**	**75**
Dyer	**All mfg.**	**17**	**9**	**457.5**	**.0212**	**87**
2257	Circular-knit fabric mills	1	1	129.7	7.9742	100
3069	Fabricated rubber products n.e.c.	1	1	59.1	1.0983	100
Fayette	**All mfg.**	**11**	**6**	**101.7**	**.0047**	**86**
Fentress	**All mfg.**	**12**	**6**	**101.6**	**.0047**	**72**
Franklin	**All mfg.**	**20**	**5**	**115.0**	**.0053**	**71**
Gibson	**All mfg.**	**40**	**23**	**581.8**	**.0270**	**81**
3483	Ammunition, except small-arms, n.e.c.	2	1	79.6	5.4050	97
Giles	**All mfg.**	**20**	**9**	**233.5**	**.0108**	**82**
3714	Motor-vehicle parts & accessories	1	1	63.9	.1671	100
Grainger	**All mfg.**	**9**	**3**	**53.3**	**.0025**	**67**
Greene	**All mfg.**	**29**	**18**	**1,044.0**	**.0484**	**95**
3651	Radio & TV receiving sets	1	1	263.6	3.5979	100
8062	*General medical & surgical hospitals*	*4*	*3*	*91.2*	*.0505*	*96*
Grundy	**All mfg.**	**7**	**3**	**37.8**	**.0018**	**60**
Hamblen	**All mfg.**	**52**	**24**	**960.4**	**.0445**	**91**
2511	Wood household furniture	4	3	134.8	1.8612	99
2512	Upholstered wood household furniture	5	2	67.5	1.3414	90
2823	Cellulosic man-made fibers	1	1	322.9	15.0698	100
Hamilton	**All mfg.**	**210**	**96**	**3,566.8**	**.1654**	**82**
2052	Cookies & crackers	2	1	151.1	3.2816	94
2281	Yarn-spinning mills, except wool	3	3	112.8	2.2153	100
2824	Noncellulosic synthetic organic fibers	1	1	180.6	2.5726	100
321	Gray-iron foundries	3	2	140.6	1.4745	94
3443	Fabricated plate work (boiler shops)	7	6	421.4	3.1007	98
3494	Valves & pipe fittings	3	2	111.8	.9860	98
4911	*Electric services*	*4*	*2*	*635.8*	*.5813*	*98*
7011	*Hotels, motels, & tourist courts*	*21*	*3*	*37.2*	*.1197*	*31*
8062	*General medical & surgical hospitals*	*8*	*8*	*303.5*	*.1679*	*100*
Hancock	**All mfg.**	**1**		**2.7**	**.0001**	**0**
Hardeman	**All mfg.**	**12**	**6**	**138.3**	**.0064**	**90**
Hardin	**All mfg.**	**17**	**8**	**226.8**	**.0105**	**85**
Hawkins	**All mfg.**	**6**	**5**	**249.6**	**.0116**	**99**
Haywood	**All mfg.**	**16**	**6**	**161.2**	**.0075**	**77**

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
Henderson	All mfg.	16	9	275.7	.0128	85
Henry	All mfg.	21	12	292.7	.0136	87
3592	Carburetors, pistons, rings, & valves	1	1	65.9	3.8238	100
Hickman	All mfg.	7	2	48.7	.0023	63
Houston	All mfg.	4	3	31.4	.0015	94
Humphreys	All mfg.	8	6	172.9	.0080	83
Jackson	All mfg.	10	4	64.4	.0030	63
Jefferson	All mfg.	15	9	354.6	.0164	94
2517	Wood TV & radio cabinets	2	2	133.1	21.5896	100
Johnson	All mfg.	6	5	181.6	.0084	99
Knox	All mfg.	198	71	2,766.5	.1283	81
2254	Knit-underwear mills	2	1	57.2	4.9891	99
2311	Men's & boys' suits & coats	6	4	110.1	2.9817	96
2328	Men's & boys' work clothing	1	1	143.7	4.0383	100
3079	Miscellaneous plastics products	7	4	51.8	.2174	86
3732	Boat building & repairing	3	2	152.5	6.9868	99
4911	*Electric services*	*2*	*2*	*1,291.8*	*1.1811*	*100*
8062	*General medical & surgical hospitals*	*6*	*6*	*269.4*	*.1490*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*113.9*	*.4267*	*100*
Lake	All mfg.	9	4	101.4	.0047	54
Lauderdale	All mfg.	18	12	235.9	.0109	84
3079	Miscellaneous plastics products	2	2	60.7	.2548	100
Lawrence	All mfg.	26	8	556.3	.0258	85
3524	Lawn & garden equipment	1	1	128.2	7.3908	100
3751	Motorcycles, bicycles, & parts	1	1	232.2	14.1862	100
Lewis	All mfg.	6	2	56.7	.0026	88
Lincoln	All mfg.	14	9	344.8	.0160	90
2335	Women's & misses' dresses	4	4	90.6	2.5899	100
3585	Refrigeration & heating equipment	1	1	128.1	.8234	100
Loudon	All mfg.	20	10	200.1	.0093	78
McMinn	All mfg.	35	22	771.9	.0358	95
2621	Paper mills, except building paper	1	1	346.9	1.7262	100
McNairy	All mfg.	16	7	161.5	.0075	87
Macon	All mfg.	7	4	47.8	.0022	82
Madison	All mfg.	58	25	1,058.6	.0491	86
8062	*General medical & surgical hospitals*	*3*	*3*	*103.1*	*.0570*	*100*
Marion	All mfg.	12	7	128.0	.0059	88
Marshall	All mfg.	24	12	448.5	.0208	89
3585	Refrigeration & heating equipment	2	1	163.1	1.0483	95
3952	Lead pencils & art goods	3	3	135.5	21.7706	100
Maury	All mfg.	41	16	547.5	.0254	75
Meigs	All mfg.	5	2	29.7	.0014	68
Monroe	All mfg.	20	8	194.5	.0090	80
Montgomery	All mfg.	28	11	391.2	.0181	82
3585	Refrigeration & heating equipment	1	1	137.5	.8838	100
Moore	All mfg.	2	1	132.1	.0061	98
Morgan	All mfg.	4	3	27.7	.0013	87
Obion	All mfg.	24	10	610.0	.0283	89
Overton	All mfg.	7	3	34.5	.0016	44
Perry	All mfg.	6	2	50.8	.0024	83
Pickett	All mfg.	4	2	34.2	.0016	89
Polk	All mfg.	6	3	193.5	.0090	96
Putnam	All mfg.	49	18	401.3	.0186	72
Rhea	All mfg.	15	10	242.2	.0112	97
Roane	All mfg.	16	7	165.6	.0077	75
2251	Women's full- & knee-length hosiery	2	2	55.3	3.6365	100
Robertson	All mfg.	22	8	354.1	.0164	59
Rutherford	All mfg.	64	30	1,807.1	.0838	93
3011	Tires & inner tubes	1	1	136.4	1.8746	100
3711	Motor vehicles & passenger-car bodies	1	1	725.2	.7559	100
8062	*General medical & surgical hospitals*	*3*	*3*	*87.8*	*.0486*	*100*
Scott	All mfg.	5	2	41.4	.0019	82
Sequatchie	All mfg.	6	2	18.2	.0008	44
Sevier	All mfg.	20	5	138.6	.0064	51
7011	*Hotels, motels, & tourist courts*	*23*	*4*	*44.5*	*.1432*	*50*
Shelby	All mfg.	447	140	7,884.2	.3656	81
2051	Bread, cake, & related products	7	4	160.4	1.0071	94
2511	Wood household furniture	5	3	92.2	1.2730	94
2643	Bags, except textile bags	4	4	330.5	6.3723	100
2647	Sanitary paper products	1	1	266.0	2.8567	100
2711	Newspapers	6	1	23.0	.1041	60
2834	Pharmaceutical preparations	3	2	347.2	1.6269	99
3523	Farm machinery & equipment	5	2	376.4	3.7815	98
3714	Motor-vehicle parts & accessories	8	4	219.5	.5741	93
6025	*National banks, federal reserve system*	*5*	*4*	*485.0*	*.3514*	*99*
7011	*Hotels, motels, & tourist courts*	*29*	*9*	*92.2*	*.2968*	*61*
8062	*General medical & surgical hospitals*	*11*	*10*	*676.3*	*.3742*	*99*
8221	*Colleges & universities n.e.c.*	*3*	*2*	*82.8*	*.3102*	*98*
Smith	All mfg.	8	4	95.8	.0044	88
Stewart						
4911	*Electric services*	*2*	*2*	*287.3*	*.2627*	*100*
Sullivan	All mfg.	66	30	2,587.7	.1200	93
2732	Book printing	2	2	367.0	8.7138	100
2821	Plastics materials & synthetic resins	1	1	259.9	1.2199	100
2823	Cellulosic man-made fibers	1	1	747.7	34.8952	100
2869	Industrial organic chemicals n.e.c.	1	1	431.7	1.3535	100
3483	Ammunition, except small-arms, n.e.c.	2	1	63.2	4.2914	98
3573	Electronic computing equipment	1	1	83.9	.1625	100
8062	*General medical & surgical hospitals*	*4*	*3*	*168.3*	*.0931*	*99*
Sumner	All mfg.	45	20	779.9	.0362	77
Tipton	All mfg.	16	7	140.9	.0065	76
Trousdale	All mfg.	6	6	93.1	.0043	100
Unicoi	All mfg.	8	5	148.1	.0069	93
Union	All mfg.	6	3	76.4	.0035	85
Van Buren	All mfg.	6	3	31.0	.0014	46
Warren	All mfg.	24	11	545.9	.0253	90
3585	Refrigeration & heating equipment	1	1	238.3	1.5317	100
Washington	All mfg.	55	29	852.1	.0395	83
3622	Industrial controls	1	1	69.1	1.3200	100
8062	*General medical & surgical hospitals*	*4*	*3*	*112.8*	*.0624*	*97*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*67.8*	*.2540*	*100*
Wayne	All mfg.	10	8	85.3	.0040	98
Weakley	All mfg.	20	8	272.4	.0126	82
White	All mfg.	15	6	161.7	.0075	83
Williamson	All mfg.	31	11	441.4	.0205	73
Wilson	All mfg.	34	14	521.0	.0242	87
STATE TOTAL	All mfg.	2,799	1,172	47,516.3	2.2036	84

TEXAS

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship./Recpt.	% In Large Estab.
Anderson	All mfg.	17	6	713.5	.0331	77
3662	Radio & TV communication equipment	1	1	316.2	.9368	100
Andrews	All mfg.	3	1	21.7	.0010	72
Angelina	All mfg.	31	17	738.3	.0342	92
2621	Paper mills, except building paper	1	1	146.6	.7295	100
3566	Speed changers, drives, & gears	1	1	75.8	4.1055	100
Aransas	All mfg.	2	1	12.3	.0006	69
Atascosa	All mfg.	3		22.1	.0010	0
Austin	All mfg.	10	1	101.9	.0047	20
Bailey	All mfg.	1		3.9	.0002	0
Bastrop	All mfg.	8	2	54.3	.0025	46
Baylor	All mfg.	2	1	9.7	.0004	72
Bee	All mfg.	3		8.3	.0004	0
Bell	All mfg.	54	19	502.6	.0233	70
2531	Public-building & related furniture	4	3	70.0	4.3362	97
3079	Miscellaneous plastics products	3	2	106.6	.4474	98
8062	*General medical & surgical hospitals*	*5*	*5*	*335.2*	*.1855*	*100*
Bexar	All mfg.	297	107	4,871.6	.2259	76
1611	*Highway & street construction*	*8*	*3*	*100.8*	*.5828*	*82*
1622	*Bridge & tunnel construction*	*1*	*1*	*125.9*	*1.8639*	*100*
1623	*Pipe- & utility-line construction*	*6*	*2*	*59.9*	*1.0084*	*89*
1629	*Heavy construction n.e.c.*	*5*	*1*	*113.4*	*.4297*	*78*
2011	Meat-packing plants	9	6	676.8	1.5155	94
2051	Bread, cake, & related products	8	7	342.9	2.1529	99
2082	Malt beverages	2	2	326.2	2.8945	100
2086	Bottled & canned soft drinks	7	3	209.4	1.1029	80
2339	Women's & misses' outerwear n.e.c.	3	1	142.1	4.6353	97
2391	Curtains & draperies	1	1	41.3	4.3133	100
3573	Electronic computing equipment	3	2	175.0	.3389	97
3585	Refrigeration & heating equipment	6	4	78.0	.5014	93
3721	Aircraft	3	2	93.0	.3216	91
6025	*National banks, federal reserve system*	*20*	*9*	*761.3*	*.5517*	*85*
7011	*Hotels, motels, & tourist courts*	*47*	*10*	*157.3*	*.5063*	*64*
8062	*General medical & surgical hospitals*	*19*	*16*	*1,136.5*	*.6288*	*98*
8221	*Colleges & universities n.e.c.*	*6*	*5*	*129.3*	*.4844*	*97*
Blanco	All mfg.	1		8.3	.0004	0
Bosque	All mfg.	8	5	53.3	.0025	65
Bowie	All mfg.	45	12	575.3	.0267	67
2611	Pulp mills	1	1	110.8	2.3631	100
3483	Ammunition, except small-arms, n.e.c.	2	1	68.7	4.6649	98
Brazoria	All mfg.	61	20	7,647.3	.3547	95
2812	Alkalies & chlorine	2	2	126.4	7.6370	100
2869	Industrial organic chemicals n.e.c.	6	5	2,085.9	6.5399	99
2879	Agricultural chemicals n.e.c.	1	1	2,307.2	37.2532	100
2911	Petroleum refining	2	1	2,202.4	1.5709	95
3693	X-ray apparatus & tubes	1	1	175.4	3.3097	100
Brazos	All mfg.	26	6	206.8	.0096	46
Brewster	All mfg.	1		4.6	.0002	0
Brooks	All mfg.	2		32.4	.0015	0
Brown	All mfg.	14	6	181.5	.0084	82
Burleson	All mfg.	3	2	15.3	.0007	84
Burnet	All mfg.	11	1	43.7	.0020	19
Caldwell	All mfg.	7	2	43.5	.0020	63
Calhoun	All mfg.	16	6	1,063.3	.0493	94
2869	Industrial organic chemicals n.e.c.	2	2	575.5	1.8044	100
3334	Primary aluminum	2	1	258.9	4.6870	96
Callahan	All mfg.	1		5.1	.0002	0
Cameron	All mfg.	69	30	1,169.8	.0543	82
2328	Men's & boys' work clothing	2	2	92.4	2.5967	100
8062	*General medical & surgical hospitals*	*3*	*3*	*104.0*	*.0575*	*100*

1986 **S&MM** Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship. Recpt	% In Large Estab
TEXAS (cont.)						
Camp	**All mfg.**	**8**	**1**	**96.8**	**.0045**	**70**
Carson	**All mfg.**	**2**		**8.5**	**.0004**	**0**
Cass	**All mfg.**	**6**	**2**	**27.3**	**.0013**	**34**
Castro	**All mfg.**	**2**	**1**	**42.5**	**.0020**	**96**
Chambers	**All mfg.**	**4**	**2**	**316.3**	**.0147**	**66**
Cherokee	**All mfg.**	**34**	**6**	**179.8**	**.0083**	**36**
8062	*General medical & surgical hospitals*	*3*	*3*	*103.1*	*.0570*	*100*
Childress	**All mfg.**	**2**	**1**	**68.7**	**.0032**	**97**
Clay	**All mfg.**	**1**	**1**	**15.6**	**.0007**	**100**
Coleman	**All mfg.**	**3**	**1**	**23.6**	**.0011**	**45**
Collin	**All mfg.**	**60**	**24**	**933.6**	**.0433**	**78**
3661	Telephone & telegraph apparatus	1	1	309.5	1.6262	100
Collingsworth	**All mfg.**	**1**		**9.5**	**.0004**	**0**
Colorado	**All mfg.**	**7**	**1**	**82.0**	**.0038**	**54**
Comal	**All mfg.**	**21**	**10**	**355.3**	**.0165**	**72**
2211	Cotton-weaving mills	1	1	49.5	1.0145	100
Comanche	**All mfg.**	**7**	**2**	**86.2**	**.0040**	**56**
Cooke	**All mfg.**	**17**	**7**	**157.8**	**.0073**	**71**
Coryell	**All mfg.**	**6**		**19.7**	**.0009**	**0**
Crane	**All mfg.**	**4**		**24.5**	**.0011**	**0**
Crockett	**All mfg.**	**1**		**5.5**	**.0003**	**0**
Crosby	**All mfg.**	**1**		**5.1**	**.0002**	**0**
Dallas	**All mfg.**	**1,068**	**339**	**17,341.7**	**.8042**	**80**
1311	*Crude petroleum & natural gas*	*91*	*6*	*2,703.0*	*7.5217*	*47*
1381	*Oil- & gas-well drilling services*	*19*	*3*	*411.9*	*11.3565*	*70*
1382	*Oil- & gas-field exploration services*	*46*	*5*	*400.4*	*17.2171*	*44*
1611	*Highway & street construction*	*7*	*6*	*226.5*	*1.3096*	*99*
1629	*Heavy construction n.e.c.*	*15*	*7*	*245.4*	*.9298*	*77*
2051	Bread, cake, & related products	9	3	152.2	.9556	83
2099	Food preparations n.e.c.	10	5	629.8	5.3804	93
2335	Women's & misses' dresses	16	13	140.8	4.0249	95
2653	Corrugated & solid fiber boxes	15	11	188.0	1.7890	86
2711	Newspapers	10	5	299.5	1.3550	96
2731	Book publishing	5	2	126.3	1.2867	93
2751	Letterpress commercial printing	37	9	142.0	1.5177	60
2752	Lithographic commercial printing	22	7	151.4	1.1714	64
2841	Soap & other detergents	10	3	329.4	3.8099	73
2842	Polishes & sanitation goods	9	3	248.7	3.3749	75
2844	Toilet preparations	8	3	238.7	1.9379	85
2851	Paints & allied products	17	5	241.5	2.1579	66
3079	Miscellaneous plastics products	43	13	251.7	1.0565	68
3272	Concrete products n.e.c.	10	5	131.9	3.1331	91
3317	Steel pipe & tubes	2	1	97.9	1.4997	97
3443	Fabricated plate work (boiler shops)	15	5	233.0	1.7145	67
3444	Sheet-metal work	29	3	159.5	1.3459	29
3533	Oil-field machinery	9	8	494.7	5.4031	99
3559	Special-industry machinery n.e.c.	11	2	160.9	1.7966	55
3573	Electronic computing equipment	29	18	1,556.7	3.0148	95
3585	Refrigeration & heating equipment	12	7	310.0	1.9926	93
3661	Telephone & telegraph apparatus	3	2	371.9	1.9541	97
3662	Radio & TV communication equipment	26	12	1,048.2	3.1056	95
3674	Semiconductors & related devices	10	6	359.6	3.2875	98
3679	Electronic components n.e.c.	18	4	168.5	.8414	80
3691	Storage batteries	7	4	98.0	3.4249	92
3714	Motor-vehicle parts & accessories	10	5	132.0	.3452	82
3721	Aircraft	5	3	796.1	2.7526	99
3728	Aircraft equipment n.e.c.	10	4	282.0	2.3377	94
3769	Space-vehicle equipment n.e.c.	2	1	1,018.2	25.4188	100
3993	Signs & advertising displays	14	4	50.6	2.1351	71
4011	*Line-haul-operating railroads*	*1*	*1*	*264.8*	*1.0704*	*100*
4911	*Electric services*	*15*	*11*	*5,680.4*	*5.1935*	*97*
4923	*Gas transmission & distribution*	*3*	*1*	*916.8*	*3.6733*	*96*
5051	*Metals service centers & sales offices*	*21*	*1*	*426.3*	*1.4002*	*33*
5063	*Electrical-power-equipment wholesalers*	*29*	*2*	*233.8*	*1.8537*	*27*
5065	*Electronic-parts wholesalers*	*30*	*6*	*434.3*	*4.4525*	*50*
5081	*Commercial-equipment wholesalers*	*27*	*4*	*106.7*	*1.7537*	*44*
5084	*Industrial-machinery distributors*	*46*	*2*	*207.8*	*1.2205*	*16*
5085	*Industrial-supply distributors*	*36*	*2*	*266.8*	*1.3455*	*31*
6025	*National banks, federal reserve system*	*31*	*7*	*2,640.7*	*1.9135*	*90*
7011	*Hotels, motels, & tourist courts*	*105*	*41*	*583.3*	*1.8775*	*82*
7372	*Computer programming & software*	*20*	*9*	*616.1*	*5.3907*	*96*
7374	*Data-processing services*	*18*	*8*	*151.7*	*1.8875*	*87*
8062	*General medical & surgical hospitals*	*33*	*30*	*1,401.5*	*.7754*	*100*
8221	*Colleges & universities n.e.c.*	*4*	*4*	*199.8*	*.7486*	*100*
Dawson	**All mfg.**	**3**	**1**	**22.3**	**.0010**	**62**
Deaf Smith	**All mfg.**	**10**	**1**	**131.5**	**.0061**	**38**
Delta	**All mfg.**	**1**		**2.5**	**.0001**	**0**
Denton	**All mfg.**	**33**	**15**	**701.4**	**.0325**	**90**
3679	Electronic components n.e.c.	1	1	196.2	1.0030	100
8062	*General medical & surgical hospitals*	*4*	*3*	*61.5*	*.0340*	*97*
De Witt	**All mfg.**	**7**	**2**	**77.7**	**.0036**	**45**
Dickens	**All mfg.**	**1**		**1.9**	**.0001**	**0**
Dimmit	**All mfg.**	**1**		**1.0**	**.0000**	**0**
Eastland	**All mfg.**	**15**	**3**	**211.6**	**.0098**	**76**
Ector	**All mfg.**	**89**	**12**	**1,062.2**	**.0493**	**59**
8062	*General medical & surgical hospitals*	*1*	*1*	*66.0*	*.0365*	*100*
Ellis	**All mfg.**	**50**	**21**	**714.6**	**.0331**	**78**
El Paso	**All mfg.**	**188**	**85**	**3,618.5**	**.1678**	**88**
2321	Men's & boys' shirts & nightwear	5	4	47.9	1.3360	93
2327	Men's & boys' separate trousers	7	7	183.9	7.1481	100
2328	Men's & boys' work clothing	6	5	154.1	4.3306	99
2329	Men's & boys' clothing n.e.c.	3	2	37.6	2.1200	94
2339	Women's & misses' outerwear n.e.c.	2	2	44.1	1.4385	100
3143	Men's nonathletic footwear	8	5	91.8	3.5540	92
3331	Primary copper	2	2	240.6	3.4735	100
3332	Primary lead	1	1	109.3	19.1586	100
3679	Electronic components n.e.c.	7	4	173.4	.8865	95
4922	*Natural-gas transmission*	*1*	*1*	*3,816.9*	*8.3507*	*100*
6025	*National banks, federal reserve system*	*9*	*3*	*399.7*	*.2896*	*65*
7011	*Hotels, motels, & tourist courts*	*22*	*4*	*41.6*	*.1339*	*45*
8062	*General medical & surgical hospitals*	*15*	*11*	*411.3*	*.2276*	*98*
Erath	**All mfg.**	**9**	**4**	**111.9**	**.0052**	**63**
Falls	**All mfg.**	**5**	**1**	**37.9**	**.0018**	**62**
Fannin	**All mfg.**	**12**	**7**	**190.1**	**.0088**	**93**
Fayette	**All mfg.**	**10**	**2**	**108.1**	**.0050**	**55**
Fisher	**All mfg.**	**1**	**1**	**15.3**	**.0007**	**100**
Floyd	**All mfg.**	**1**		**8.3**	**.0004**	**0**
Foard	**All mfg.**	**1**		**2.0**	**.0001**	**0**
Fort Bend	**All mfg.**	**45**	**16**	**1,352.0**	**.0627**	**85**
3573	Electronic computing equipment	2	1	192.6	.3730	96
3674	Semiconductors & related devices	1	1	91.1	.8328	100
Franklin	**All mfg.**	**2**	**1**	**25.0**	**.0012**	**61**
Freestone	**All mfg.**	**3**		**30.4**	**.0014**	**0**
Gaines	**All mfg.**	**2**		**12.7**	**.0006**	**0**
Galveston	**All mfg.**	**45**	**16**	**4,630.1**	**.2147**	**94**
2821	Plastics materials & synthetic resins	3	3	480.3	2.2344	100
2911	Petroleum refining	4	3	3,590.4	2.5609	97
3731	Ship building & repairing	4	2	78.0	.9927	96
7011	*Hotels, motels, & tourist courts*	*13*	*5*	*68.5*	*.2205*	*81*
8062	*General medical & surgical hospitals*	*5*	*5*	*278.7*	*.1542*	*100*
Gillespie	**All mfg.**	**5**	**1**	**32.5**	**.0015**	**48**
Gonzales	**All mfg.**	**8**	**4**	**164.7**	**.0076**	**50**
Gray	**All mfg.**	**8**	**3**	**304.2**	**.0141**	**94**
Grayson	**All mfg.**	**65**	**20**	**1,290.6**	**.0599**	**85**
8062	*General medical & surgical hospitals*	*3*	*3*	*95.9*	*.0531*	*100*
Gregg	**All mfg.**	**88**	**30**	**1,511.6**	**.0701**	**82**
2869	Industrial organic chemicals n.e.c.	1	1	495.3	1.5529	100
8062	*General medical & surgical hospitals*	*5*	*4*	*82.5*	*.0456*	*99*
Grimes	**All mfg.**	**8**	**5**	**83.6**	**.0039**	**78**
Guadalupe	**All mfg.**	**19**	**5**	**650.8**	**.0302**	**90**
3651	Radio & TV receiving sets	1	1	281.8	3.8463	100
Hale	**All mfg.**	**11**	**3**	**826.1**	**.0383**	**95**
2011	Meat-packing plants	2	2	776.4	1.7386	100
Hall	**All mfg.**	**1**		**7.9**	**.0004**	**0**
Hamilton	**All mfg.**	**2**		**18.7**	**.0009**	**0**
Hardeman	**All mfg.**	**2**	**2**	**76.6**	**.0036**	**100**
Hardin	**All mfg.**	**3**	**1**	**116.0**	**.0054**	**7**
Harris	**All mfg.**	**1,308**	**407**	**33,865.2**	**1.5706**	**86**
1311	*Crude petroleum & natural gas*	*152*	*15*	*4,499.6*	*12.5212*	*42*
1381	*Oil- & gas-well drilling services*	*47*	*14*	*701.8*	*19.3493*	*84*
1382	*Oil- & gas-field exploration services*	*119*	*10*	*534.0*	*22.9618*	*26*
1611	*Highway & street construction*	*19*	*8*	*336.3*	*1.9445*	*89*
1622	*Bridge & tunnel construction*	*7*	*3*	*700.2*	*10.3660*	*97*
1623	*Pipe- & utility-line construction*	*44*	*11*	*435.1*	*7.3248*	*73*
1629	*Heavy construction n.e.c.*	*58*	*26*	*2,343.5*	*8.8797*	*90*
2051	Bread, cake, & related products	11	6	248.5	1.5602	84
2086	Bottled & canned soft drinks	6	3	313.7	1.6522	92
2095	Roasted coffee	3	3	497.0	6.0758	100
2611	Pulp mills	1	1	161.3	3.4402	100
2621	Paper mills, except building paper	2	2	280.0	1.3933	100
2711	Newspapers	8	4	168.9	.7641	94
2751	Letterpress commercial printing	36	6	128.1	1.3691	50
2752	Lithographic commercial printing	21	1	93.8	7257	32
2812	Alkalies & chlorine	3	2	174.7	10.5553	97
2813	Industrial gases	12	2	164.4	6.0215	64
2819	Industrial inorganic chemicals n.e.c.	18	3	217.9	1.2790	46
2821	Plastics materials & synthetic resins	17	12	1,430.6	6.7148	94
2822	Synthetic rubber	5	4	674.6	10.8154	99
2851	Paints & allied products	16	2	141.3	1.2626	28
2865	Cyclic crudes & intermediates	11	5	1,006.8	12.8163	95

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments/Receipts ($ Mil.)	% Of U S Ship./Recpt.	% In Large Estab.
2869	Industrial organic chemicals n.e.c.	33	20	1,896.3	5.9454	88
2899	Chemical preparations n.e.c.	15	6	771.4	7.2469	89
2911	Petroleum refining	7	5	10,966.1	7.8217	99
3079	Miscellaneous plastics products	52	15	276.8	1.1619	68
3293	Gaskets, packing, & sealing devices	18	3	74.5	3.6211	39
3317	Steel pipe & tubes	11	5	442.7	6.7816	93
3441	Fabricated structural metal	29	3	236.3	1.1350	36
3443	Fabricated plate work (boiler shops)	43	17	543.2	3.9970	67
3444	Sheet-metal work	26	6	215.8	1.8210	55
3448	Prefabricated metal buildings	11	7	436.9	8.3153	92
3452	Bolts, nuts, rivets, & washers	14	4	102.8	2.6607	66
3462	Iron & steel forgings	6	2	188.6	3.5469	88
3479	Metal coating & allied services n.e.c.	16	6	530.2	13.1740	93
3494	Valves & pipe fittings	60	21	683.0	6.0238	68
3498	Fabricated pipe & fittings	19	7	349.2	8.7942	73
3519	Internal-combustion engines n.e.c.	6	2	100.0	1.0082	72
3533	Oil-field machinery	74	33	2,917.2	31.8614	89
3545	Machine-tool accessories	5	2	50.0	1.5190	89
3561	Pumps & pumping equipment	16	5	198.1	2.9629	72
3573	Electronic computing equipment	13	8	770.4	1.4920	97
3599	Machinery, except electrical, n.e.c.	36	4	148.8	1.3001	28
3613	Switchgear & switchboard apparatus	8	5	88.6	1.7739	83
3622	Industrial controls	7	4	60.4	1.1538	75
3731	Ship building & repairing	9	5	114.4	1.4559	91
3811	Engineering & scientific instruments	7	3	59.2	1.5228	82
3823	Industrial process-control instruments	16	4	94.6	2.3706	53
3824	Fluid meters & counting devices	1	1	84.1	6.2588	100
4911	*Electric services*	*3*	*3*	*3,523.6*	*3.2216*	*100*
4922	*Natural-gas transmission*	*64*	*15*	*11,661.5*	*25.5134*	*71*
5051	*Metals service centers & sales offices*	*46*	*11*	*1,322.9*	*4.3452*	*56*
5081	*Commercial-equipment wholesalers*	*21*	*4*	*83.6*	*1.3740*	*65*
5084	*Industrial-machinery distributors*	*89*	*11*	*861.4*	*5.0595*	*56*
5085	*Industrial-supply distributors*	*65*	*3*	*493.6*	*2.4892*	*25*
6025	*National banks, federal reserve system*	*31*	*9*	*2,232.4*	*1.6176*	*90*
7011	*Hotels, motels, & tourist courts*	*112*	*45*	*505.8*	*1.6280*	*74*
7372	*Computer programming & software*	*21*	*4*	*144.1*	*1.2608*	*67*
7374	*Data-processing services*	*20*	*2*	*111.4*	*1.3861*	*78*
8062	*General medical & surgical hospitals*	*49*	*46*	*2,416.3*	*1.3369*	*100*
8221	*Colleges & universities n.e.c.*	*6*	*6*	*168.3*	*.6305*	*100*
Harrison	**All mfg.**	**36**	**10**	**339.7**	**.0158**	**59**
3483	Ammunition, except small-arms, n.e.c.	2	2	62.2	4.2235	100
Hays	**All mfg.**	**17**	**7**	**203.8**	**.0095**	**62**
8221	*Colleges & universities n.e.c.*	*1*	*1*	*72.4*	*.2712*	*100*
Henderson	**All mfg.**	**14**	**5**	**114.0**	**.0053**	**62**
Hidalgo	**All mfg.**	**59**	**24**	**942.3**	**.0437**	**82**
2033	Canned fruits & vegetables	6	6	190.9	1.2631	100
2327	Men's & boys' separate trousers	2	2	39.5	1.5354	100
8062	*General medical & surgical hospitals*	*5*	*4*	*104.6*	*.0579*	*96*
Hill	**All mfg.**	**9**	**4**	**72.3**	**.0034**	**75**
Hockley	**All mfg.**	**4**		**80.0**	**.0037**	**0**
Hood	**All mfg.**	**1**		**29.9**	**.0014**	**0**
Hopkins	**All mfg.**	**17**	**6**	**345.8**	**.0160**	**74**
Houston	**All mfg.**	**12**	**6**	**154.2**	**.0072**	**85**
Howard	**All mfg.**	**17**	**6**	**840.7**	**.0390**	**93**
8062	*General medical & surgical hospitals*	*5*	*4*	*104.6*	*.0579*	*97*
Hunt	**All mfg.**	**32**	**18**	**543.3**	**.0252**	**89**
3721	Aircraft	2	2	173.1	.5985	100
Hutchinson	**All mfg.**	**10**	**5**	**781.6**	**.0362**	**95**
Jack	**All mfg.**	**3**		**6.9**	**.0003**	**0**
Jasper	**All mfg.**	**8**	**4**	**260.6**	**.0121**	**93**
2621	Paper mills, except building paper	1	1	197.7	.9838	100
Jefferson	**All mfg.**	**89**	**40**	**13,724.4**	**.6365**	**98**
2822	Synthetic rubber	4	4	691.7	11.0896	100
2869	Industrial organic chemicals n.e.c.	8	6	834.2	2.6155	98
2911	Petroleum refining	7	7	11,006.7	7.8507	100
3731	Ship building & repairing	2	2	57.3	.7292	100
8062	*General medical & surgical hospitals*	*5*	*5*	*230.5*	*.1275*	*100*
Jim Wells	**All mfg.**	**6**	**1**	**21.5**	**.0010**	**30**
Johnson	**All mfg.**	**34**	**14**	**219.4**	**.0102**	**78**
Jones	**All mfg.**	**3**	**2**	**25.8**	**.0012**	**63**
Karnes	**All mfg.**	**6**	**2**	**64.4**	**.0030**	**53**
Kaufman	**All mfg.**	**24**	**7**	**195.4**	**.0091**	**62**
8062	*General medical & surgical hospitals*	*3*	*2*	*85.4*	*.0472*	*98*
Kendall	**All mfg.**	**1**		**5.0**	**.0002**	**0**
Kerr	**All mfg.**	**8**	**5**	**102.8**	**.0048**	**89**
8062	*General medical & surgical hospitals*	*3*	*2*	*65.4*	*.0362*	*98*
Kimble	**All mfg.**	**2**	**1**	**17.2**	**.0008**	**70**
Kleberg	**All mfg.**	**5**	**2**	**38.0**	**.0018**	**71**
Lamar	**All mfg.**	**20**	**10**	**416.5**	**.0193**	**90**
Lamb	**All mfg.**	**2**	**1**	**36.5**	**.0017**	**82**
Lampasas	**All mfg.**	**3**	**1**	**29.8**	**.0014**	**83**
Lavaca	**All mfg.**	**16**	**7**	**175.5**	**.0081**	**63**
Leon	**All mfg.**	**1**		**11.1**	**.0005**	**0**
Liberty	**All mfg.**	**11**	**6**	**261.6**	**.0121**	**89**
Limestone	**All mfg.**	**9**	**5**	**84.8**	**.0039**	**75**
Live Oak	**All mfg.**	**3**	**1**	**247.8**	**.0115**	**94**
Llano	**All mfg.**	**1**		**2.4**	**.0001**	**0**

1986 S&MM Est.

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U S Ship Recpt	% In Large Estab.
Lubbock	**All mfg.**	**79**	**21**	**1,330.9**	**.0617**	**74**
3574	Calculating & accounting machines	1	1	306.7	12.2523	100
3674	Semiconductors & related devices	1	1	45.6	.4169	100
8062	*General medical & surgical hospitals*	*6*	*5*	*192.5*	*.1065*	*98*
McCulloch	**All mfg.**	**6**	**1**	**29.2**	**.0014**	**14**
McLennan	**All mfg.**	**124**	**41**	**1,400.0**	**.0649**	**71**
3011	Tires & inner tubes	1	1	194.0	2.6662	100
8062	*General medical & surgical hospitals*	*4*	*3*	*158.9*	*.0879*	*97*
8221	*Colleges & universities n.e.c.*	*2*	*2*	*54.5*	*.2042*	*100*
McMullen	**All mfg.**	**1**		**3.6**	**.0002**	**0**
Madison	**All mfg.**	**2**	**1**	**16.3**	**.0008**	**91**
Marion	**All mfg.**	**2**		**11.4**	**.0005**	**0**
Martin	**All mfg.**	**1**		**4.6**	**.0002**	**0**
Matagorda	**All mfg.**	**6**	**4**	**180.4**	**.0084**	**97**
Maverick	**All mfg.**	**6**	**3**	**95.5**	**.0044**	**70**
2328	Men's & boys' work clothing	2	2	34.6	.9723	100
Medina	**All mfg.**	**4**	**2**	**36.1**	**.0017**	**76**
Midland	**All mfg.**	**27**	**5**	**329.4**	**.0153**	**40**
1311	*Crude petroleum & natural gas*	*109*	*3*	*1,766.6*	*4.9160*	*13*
1381	*Oil- & gas-well drilling services*	*20*	*4*	*130.8*	*3.6063*	*75*
1382	*Oil- & gas-field exploration services*	*31*	*2*	*86.9*	*3.7367*	*43*
3674	Semiconductors & related devices	1	1	45.6	.4169	100
8062	*General medical & surgical hospitals*	*2*	*2*	*60.6*	*.0335*	*100*
Milam	**All mfg.**	**7**	**3**	**320.0**	**.0148**	**95**
3334	Primary aluminum	1	1	285.8	5.1740	100
Mills	**All mfg.**	**1**		**4.5**	**.0002**	**0**
Montague	**All mfg.**	**12**	**4**	**63.3**	**.0029**	**70**
Montgomery	**All mfg.**	**24**	**5**	**269.6**	**.0125**	**56**
Moore	**All mfg.**	**10**	**3**	**1,318.8**	**.0612**	**90**
Morris	**All mfg.**	**11**	**3**	**380.9**	**.0177**	**88**
3312	Blast furnaces & steel mills	1	1	286.0	.9665	100
Nacogdoches	**All mfg.**	**19**	**9**	**347.3**	**.0161**	**83**
Navarro	**All mfg.**	**27**	**9**	**324.7**	**.0151**	**69**
Newton	**All mfg.**	**4**	**2**	**219.4**	**.0102**	**95**
2436	Softwood veneer & plywood	2	2	208.4	5.3329	100
Nolan	**All mfg.**	**11**	**7**	**150.5**	**.0070**	**86**
Nueces	**All mfg.**	**69**	**24**	**9,117.7**	**.4228**	**97**
1311	*Crude petroleum & natural gas*	*20*	*2*	*558.0*	*1.5528*	*39*
2911	Petroleum refining	5	5	7,723.4	5.5088	100
4911	*Electric services*	*2*	*1*	*800.4*	*.7318*	*99*
8062	*General medical & surgical hospitals*	*8*	*7*	*263.2*	*.1456*	*98*
Ochiltree	**All mfg.**	**2**	**1**	**60.3**	**.0028**	**79**
Orange	**All mfg.**	**24**	**10**	**1,222.7**	**.0567**	**90**
2821	Plastics materials & synthetic resins	3	2	442.4	2.0765	99
3731	Ship building & repairing	2	1	114.6	1.4585	99
Palo Pinto	**All mfg.**	**23**	**8**	**166.1**	**.0077**	**64**
Panola	**All mfg.**	**5**	**3**	**81.1**	**.0038**	**90**
Parker	**All mfg.**	**12**	**2**	**71.6**	**.0033**	**31**
Parmer	**All mfg.**	**2**	**1**	**681.8**	**.0316**	**99**
2011	Meat-packing plants	1	1	676.3	1.5144	100
Pecos	**All mfg.**	**1**		**8.5**	**.0004**	**0**
Polk	**All mfg.**	**2**	**1**	**18.9**	**.0009**	**69**
Potter	**All mfg.**	**60**	**17**	**1,879.7**	**.0872**	**87**
2011	Meat-packing plants	3	1	1,283.2	2.873[illegible]	97
3483	Ammunition, except small-arms, n.e.c.	1	1	45.1	3.0624	100
4911	*Electric services*	*1*	*1*	*713.7*	*.6525*	*100*
8062	*General medical & surgical hospitals*	*5*	*5*	*177.7*	*.0983*	*100*
Rains	**All mfg.**	**5**		**13.3**	**.0006**	**0**
Randall	**All mfg.**	**6**	**1**	**108.3**	**.0050**	**62**
Red River	**All mfg.**	**11**	**6**	**118.2**	**.0055**	**80**
Reeves	**All mfg.**	**1**	**1**	**40.3**	**.0019**	**100**
Robertson	**All mfg.**	**5**		**58.7**	**.0027**	**0**
Rockwall	**All mfg.**	**5**	**1**	**42.6**	**.0020**	**12**
Runnels	**All mfg.**	**10**	**3**	**138.9**	**.0064**	**49**
Rusk	**All mfg.**	**16**	**4**	**90.0**	**.0042**	**54**
San Patricio	**All mfg.**	**20**	**7**	**704.9**	**.0327**	**78**
2869	Industrial organic chemicals n.e.c.	1	1	229.0	.7180	100
San Saba	**All mfg.**	**2**	**1**	**12.5**	**.0006**	**53**
Scurry	**All mfg.**	**5**	**1**	**13.8**	**.0006**	**12**
Shackelford	**All mfg.**	**3**		**13.9**	**.0006**	**0**
Shelby	**All mfg.**	**6**	**3**	**168.2**	**.0076**	**87**
Sherman	**All mfg.**	**2**		**[illegible]**	**.0004**	**0**
Smith	**All mfg.**	**53**	**21**	**1,962.5**	**.0924**	**91**
3011	Tires & inner tubes	2	1	340.2	4.6755	98
3321	Gray-iron foundries	1	1	305.8	3.2070	100
3585	Refrigeration & heating equipment	2	2	357.8	2.2998	100
8062	*General medical & surgical hospitals*	*3*	*2*	*82.0*	*.0454*	*97*
Stephens	**All mfg.**	**7**	**2**	**77.2**	**.0036**	**77**
Swisher	**All mfg.**	**4**		**26.5**	**.0012**	**0**
Tarrant	**All mfg.**	**588**	**188**	**10,364.9**	**.4807**	**81**
1311	*Crude petroleum & natural gas*	*28*	*2*	*607.7*	*1.6911*	*42*
2086	Bottled & canned soft drinks	5	3	219.5	1.1561	97
2711	Newspapers	5	2	96.6	.4370	94
2834	Pharmaceutical preparations	2	1	181.6	.8510	99
2892	Explosives	3	2	73.6	6.3301	94

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship Recpt	% In Large Estab
TEXAS (Tarrant, cont.)						
3069	Fabricated rubber products n.e.c.	7	2	71.7	1.3325	87
3079	Miscellaneous plastics products	35	11	173.8	.7295	53
3411	Metal cans	4	4	199.8	1.8201	100
3441	Fabricated structural metal	13	5	158.3	.7603	56
3444	Sheet-metal work	15	4	140.5	1.1856	59
3531	Construction machinery	3	2	128.4	1.0608	92
3533	Oil-field machinery	7	2	205.2	2.2412	72
3535	Conveyors & conveying equipment	8	4	84.8	2.6170	69
3555	Printing-trades machinery	6	3	116.2	5.0956	89
3573	Electronic computing equipment	7	5	418.0	.8095	98
3585	Refrigeration & heating equipment	21	6	366.6	2.3564	76
3661	Telephone & telegraph apparatus	3	3	166.0	.8722	100
3662	Radio & TV communication equipment	6	2	357.0	1.0577	96
3679	Electronic components n.e.c.	9	3	151.3	.7735	79
3711	Motor vehicles & passenger-car bodies	2	1	1,571.7	1.6382	99
3721	Aircraft	2	2	652.8	2.2572	100
3728	Aircraft equipment n.e.c.	7	4	104.1	.8630	90
3829	Measuring & controlling devices n.e.c.	5	2	75.8	2.8468	85
4011	*Line-haul-operating railroads*	*2*	*2*	*157.9*	*.6383*	*100*
4911	*Electric services*	*4*	*2*	*686.5*	*.6277*	*95*
6025	*National banks, federal reserve system*	*15*	*3*	*567.1*	*.4109*	*81*
7011	*Hotels, motels, & tourist courts*	*43*	*10*	*114.6*	*.3689*	*62*
8062	*General medical & surgical hospitals*	*23*	*19*	*681.9*	*.3773*	*97*
Taylor	**All mfg.**	**48**	**13**	**990.9**	**.0460**	**61**
8062	*General medical & surgical hospitals*	*3*	*3*	*79.6*	*.0440*	*100*
Terry	**All mfg.**	**3**	**1**	**16.8**	**.0008**	**24**
Titus	**All mfg.**	**11**	**6**	**178.7**	**.0083**	**81**
Tom Green	**All mfg.**	**32**	**12**	**614.3**	**.0285**	**78**
3842	Surgical appliances & supplies	1	1	232.8	3.4937	100
Travis	**All mfg.**	**154**	**39**	**4,293.0**	**.1991**	**88**
2711	Newspapers	1	1	85.0	.3845	100
3573	Electronic computing equipment	6	4	363.8	.7046	98
3579	Office machines n.e.c.	1	1	2,471.0	21.7164	100
3662	Radio & TV communication equipment	4	3	134.4	.3982	94
3674	Semiconductors & related devices	3	1	45.2	.4132	82
6025	*National banks, federal reserve system*	*11*	*2*	*289.3*	*.2096*	*63*
7011	*Hotels, motels, & tourist courts*	*32*	*8*	*85.3*	*.2746*	*59*
8062	*General medical & surgical hospitals*	*7*	*7*	*244.1*	*.1351*	*100*
8221	*Colleges & universities n.e.c.*	*4*	*1*	*790.5*	*2.9616*	*99*
Trinity	**All mfg.**	**4**		**95.5**	**.0044**	**0**
Tyler	**All mfg.**	**6**	**1**	**34.9**	**.0016**	**27**
Upshur	**All mfg.**	**5**	**2**	**32.3**	**.0015**	**63**
Uvalde	**All mfg.**	**6**	**3**	**62.6**	**.0029**	**79**
Val Verde	**All mfg.**	**5**	**1**	**79.9**	**.0037**	**82**
Van Zandt	**All mfg.**	**7**	**3**	**99.1**	**.0046**	**67**
Victoria	**All mfg.**	**13**	**6**	**158.0**	**.0073**	**82**
Walker	**All mfg.**	**13**	**3**	**247.0**	**.0115**	**75**
8221	*Colleges & universities n.e.c.*	*1*	*1*	*48.5*	*.1817*	*100*
Waller	**All mfg.**	**6**	**1**	**65.6**	**.0030**	**75**
Ward	**All mfg.**	**2**		**10.5**	**.0005**	**0**
Washington	**All mfg.**	**19**	**6**	**160.4**	**.0074**	**47**
Webb	**All mfg.**	**20**	**7**	**215.9**	**.0100**	**66**
7011	*Hotels, motels, & tourist courts*	*13*	*3*	*39.8*	*.1281*	*69*
Wharton	**All mfg.**	**6**	**4**	**65.5**	**.0030**	**76**
Wichita	**All mfg.**	**62**	**25**	**988.5**	**.0458**	**75**
1311	*Crude petroleum & natural gas*	*67*		*910.8*	*2.5345*	*0*
2221	Synthetics- & silk-weaving mills	2	1	100.3	1.7063	96
3211	Flat glass	1	1	142.3	5.2353	100
8062	*General medical & surgical hospitals*	*5*	*4*	*165.0*	*.0913*	*99*
Wilbarger	**All mfg.**	**4**	**2**	**117.5**	**.0054**	**97**
Willacy	**All mfg.**	**4**	**2**	**23.9**	**.0011**	**71**
Williamson	**All mfg.**	**34**	**12**	**327.8**	**.0152**	**71**
Wilson	**All mfg.**	**3**	**1**	**21.1**	**.0010**	**29**
Winkler	**All mfg.**	**1**		**1.2**	**.0001**	**0**
Wise	**All mfg.**	**12**	**2**	**108.3**	**.0050**	**50**
Wood	**All mfg.**	**10**	**3**	**101.8**	**.0047**	**49**
Yoakum	**All mfg.**	**1**		**9.2**	**.0004**	**0**
Young	**All mfg.**	**10**	**3**	**106.8**	**.0050**	**42**
Zavala	**All mfg.**	**2**	**1**	**240.8**	**.0112**	**97**
2033	Canned fruits & vegetables	1	1	233.0	1.5417	100
STATE TOTAL	**All mfg.**	**6,332**	**2,108**	**153,924.1**	**7.1385**	**85**

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship Recpt	% In Large Estab
UTAH						
Box Elder	**All mfg.**	**12**	**7**	**726.4**	**.0337**	**98**
3489	Ordnance & accessories n.e.c.	1	1	138.3	6.9901	100
3764	Space-propulsion units & parts	1	1	433.6	18.7738	100
Cache	**All mfg.**	**34**	**14**	**1,042.7**	**.0484**	**89**
2011	Meat-packing plants	2	2	383.3	.8583	100
2022	Natural & processed cheese	5	4	252.0	2.9923	92
Carbon	**All mfg.**	**5**	**1**	**19.8**	**.0009**	**32**
Davis	**All mfg.**	**45**	**18**	**1,003.5**	**.0465**	**83**
3764	Space-propulsion units & parts	1	1	67.5	2.9226	100
Duchesne	**All mfg.**	**1**		**3.7**	**.0002**	**0**
Emery	**All mfg.**	**1**		**5.4**	**.0003**	**0**
Garfield	**All mfg.**	**1**	**1**	**28.0**	**.0013**	**100**
Grand	**All mfg.**	**1**		**11.5**	**.0005**	**0**
Iron	**All mfg.**	**5**	**2**	**35.2**	**.0016**	**35**
Juab	**All mfg.**	**3**		**4.3**	**.0002**	**0**
Kane	**All mfg.**	**1**		**.6**	**.0000**	**0**
Millard	**All mfg.**	**3**		**53.6**	**.0025**	**0**
Morgan	**All mfg.**	**3**	**2**	**46.1**	**.0021**	**80**
Piute	**All mfg.**	**1**		**1.3**	**.0001**	**0**
Salt Lake	**All mfg.**	**339**	**91**	**6,063.1**	**.2812**	**80**
1021	*Copper-ore mining*	*3*	*3*	*402.3*	*18.4762*	*100*
2331	Women's & misses' blouses	3	2	80.8	2.2275	94
2711	Newspapers	6	5	83.5	.3778	98
2892	Explosives	2	1	46.7	4.0165	87
3331	Primary copper	1	1	1,890.7	27.2958	100
3441	Fabricated structural metal	15	2	194.6	.9347	41
3573	Electronic computing equipment	7	3	267.7	.5184	94
3662	Radio & TV communication equipment	6	2	91.6	.2714	83
3679	Electronic components n.e.c.	11	3	68.5	.3502	72
3764	Space-propulsion units & parts	1	1	307.7	13.3227	100
3841	Surgical & medical instruments	6	4	193.8	3.8297	97
4911	*Electric services*	*2*	*1*	*957.3*	*.8752*	*98*
5085	*Industrial-supply distributors*	*21*	*2*	*323.3*	*1.6304*	*71*
6025	*National banks, federal reserve system*	*4*	*4*	*603.1*	*.4370*	*100*
7011	*Hotels, motels, & tourist courts*	*26*	*10*	*179.0*	*.5762*	*85*
8062	*General medical & surgical hospitals*	*7*	*7*	*377.0*	*.2086*	*100*
8221	*Colleges & universities n.e.c.*	*3*	*3*	*179.3*	*.6718*	*100*
San Juan	**All mfg.**	**4**	**1**	**26.6**	**.0012**	**21**
Sanpete	**All mfg.**	**5**	**2**	**88.4**	**.0041**	**85**
Sevier	**All mfg.**	**3**	**1**	**28.3**	**.0013**	**64**
Summit	**All mfg.**	**3**		**11.5**	**.0005**	**0**
Tooele	**All mfg.**	**9**		**50.5**	**.0023**	**0**
Uintah	**All mfg.**	**2**		**6.2**	**.0003**	**0**
Utah	**All mfg.**	**71**	**28**	**1,260.3**	**.0584**	**78**
3312	Blast furnaces & steel mills	1	1	477.5	1.6136	100
3674	Semiconductors & related devices	1	1	86.7	.7926	100
8062	*General medical & surgical hospitals*	*4*	*4*	*123.4*	*.0683*	*100*
8221	*Colleges & universities n.e.c.*	*2*	*1*	*163.3*	*.6118*	*99*
Wasatch	**All mfg.**	**3**	**1**	**25.4**	**.0012**	**75**
Washington	**All mfg.**	**7**	**4**	**104.8**	**.0049**	**90**
Weber	**All mfg.**	**63**	**23**	**908.1**	**.0421**	**63**
3676	Electronic resistors	1	1	74.4	9.5287	100
8062	*General medical & surgical hospitals*	*3*	*3*	*97.3*	*.0539*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*63.0*	[illegible]	*100*
STATE TOTAL	**All mfg.**	**625**	**196**	**11,555.3**	**.5359**	**80**
VERMONT						
Addison	**All mfg.**	**18**	**7**	**258.5**	**.0120**	**77**
3728	Aircraft equipment n.e.c.	1	1	90.0	.7461	100
Bennington	**All mfg.**	**42**	**16**	**331.8**	**.0154**	**71**
Caledonia	**All mfg.**	**20**	**6**	**166.5**	**.0077**	**63**
Chittenden	**All mfg.**	**58**	**21**	**1,326.3**	**.0615**	**85**
3484	Small arms	1	1	238.8	17.0877	100
3674	Semiconductors & related devices	1	1	414.7	3.7912	100
8062	*General medical & surgical hospitals*	*2*	*2*	*115.2*	*.0637*	*100*
Essex	**All mfg.**	**5**	**4**	**71.2**	**.0033**	**95**
Franklin	**All mfg.**	**25**	**7**	**331.9**	**.0154**	**59**
Grand Isle	**All mfg.**	**2**	**1**	**7.3**	**.0003**	**73**
Lamoille	**All mfg.**	**14**	**2**	**55.7**	**.0026**	**44**
Orange	**All mfg.**	**14**	**6**	**125.6**	**.0058**	**66**
Orleans	**All mfg.**	**15**	**4**	**122.2**	**.0057**	**59**
Rutland	**All mfg.**	**37**	**12**	**619.6**	**.0287**	**82**
3724	Aircraft engines & engine parts	2	1	230.6	2.5652	99
Washington	**All mfg.**	**51**	**9**	**299.2**	**.0139**	**62**
3281	Cut stone & stone products	22	4	87.0	7.7818	55
8062	*General medical & surgical hospitals*	*2*	*2*	*60.6*	*.0335*	*100*
Windham	**All mfg.**	**33**	**16**	**389.3**	**.0181**	**84**
Windsor	**All mfg.**	**37**	**12**	**245.3**	**.0114**	**51**
3541	Metal-cutting machine tools	4	4	65.2	1.4961	100
STATE TOTAL	**All mfg.**	**371**	**123**	**4,350.4**	**.2018**	**75**

1986 S&MM Est

VIRGINIA

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U S Ship Recpt	% In Large Estab
Accomack	All mfg.	18	8	319.9	.0148	88
2016	Poultry-dressing plants	2	2	121.2	1.7897	100
Albemarle	All mfg.	16	7	315.3	.0146	89
2037	Frozen fruits & vegetables	1	1	82.9	1.1048	100
Alexandria city	All mfg.	40	9	353.7	.0164	68
8062	*General medical & surgical hospitals*	*3*	*3*	*98.6*	*.0546*	*100*
Alleghany	All mfg.	1	1	5.4	.0003	100
Amelia	All mfg.	6	1	20.9	.0010	44
Amherst	All mfg.	9	2	98.0	.0045	56
Appomattox	All mfg.	5	3	60.4	.0028	90
Arlington	All mfg.	30	7	254.2	.0118	56
7011	*Hotels, motels, & tourist courts*	*17*	*8*	*102.1*	*.3286*	*71*
7372	*Computer programming & software*	*7*	*4*	*123.5*	*1.0806*	*88*
8062	*General medical & surgical hospitals*	*3*	*3*	*126.9*	*.0702*	*100*
Augusta	All mfg.	23	10	337.5	.0157	77
Bath	All mfg.	2	1	8.2	.0004	65
Bedford	All mfg.	5	1	79.8	.0037	64
Bedford city	All mfg.	14	6	171.1	.0079	71
Bland	All mfg.	2	2	18.7	.0009	100
Botetourt	All mfg.	11	5	116.0	.0054	73
Bristol city	All mfg.	39	26	712.9	.0331	94
Brunswick	All mfg.	14	5	96.4	.0045	54
Buchanan	All mfg.	3	1	94.6	.0044	94
1211	*Bituminous-coal & lignite mining*	*20*	*7*	*465.9*	*2.8673*	*77*
Buckingham	All mfg.	3	1	15.5	.0007	56
Buena Vista city	All mfg.	11	6	102.4	.0047	84
Campbell	All mfg.	17	13	494.5	.0229	97
2511	Wood household furniture	2	2	141.2	1.9496	100
Caroline	All mfg.	10	1	41.6	.0019	8
Carroll	All mfg.	10	4	67.1	.0031	80
Charlotte	All mfg.	10	3	54.4	.0025	48
Charlottesville city	All mfg.	27	12	426.6	.0198	86
3661	Telephone & telegraph apparatus	3	3	117.9	.6195	100
3662	Radio & TV communication equipment	1	1	38.7	.1147	100
8062	*General medical & surgical hospitals*	*2*	*2*	*141.8*	*.0785*	*100*
Chesapeake city	All mfg.	36	10	354.3	.0164	56
Chesterfield	All mfg.	16	8	650.9	.0302	94
2869	Industrial organic chemicals n.e.c.	1	1	317.9	.9967	100
Clarke	All mfg.	3	3	64.9	.0030	100
Clifton Forge city	All mfg.	1		6.8	.0003	0
Colonial Heights city	All mfg.	6	3	46.8	.0022	81
Covington city	All mfg.	8	5	499.7	.0232	98
2631	Paperboard mills	1	1	232.7	2.8699	100
2819	Industrial inorganic chemicals n.e.c.	2	1	233.7	1.3718	98
Craig	All mfg.	1	1	4.5	.0002	100
Culpeper	All mfg.	13	6	132.0	.0061	67
Danville city	All mfg.	32	16	857.9	.0398	89
2211	Cotton-weaving mills	1	1	130.0	2.6643	100
2261	Cotton-finishing plants	1	1	153.2	10.8123	100
3524	Lawn & garden equipment	1	1	66.1	3.8107	100
8062	*General medical & surgical hospitals*	*1*	*1*	*60.2*	*.0333*	*100*
Dickenson	All mfg.	2	1	13.3	.0006	71
1211	*Bituminous-coal & lignite mining*	*7*	*2*	*87.2*	*.5367*	*69*
Dinwiddie	All mfg.	18	6	202.1	.0094	58
8062	*General medical & surgical hospitals*	*2*	*2*	*129.6*	*.0717*	*100*
Emporia city	All mfg.	13	7	115.9	.0054	76
Essex	All mfg.	9	3	74.9	.0035	63
Fairfax	All mfg.	84	33	1,077.4	.0500	78
3573	Electronic computing equipment	10	7	309.4	.5992	95
3662	Radio & TV communication equipment	11	6	189.9	.5626	93
7372	*Computer programming & software*	*26*	*12*	*383.1*	*3.3520*	*87*
7374	*Data-processing services*	*8*	*2*	*61.2*	*.7615*	*86*
Fairfax city	All mfg.	9	3	94.2	.0044	74
1629	*Heavy construction n.e.c.*	*1*	*1*	*47.8*	*.1811*	*100*
Falls Church city	All mfg.	12	6	283.6	.0132	94
3662	Radio & TV communication equipment	2	1	138.3	.4098	98
6025	*National banks, federal reserve system*	*1*	*1*	*274.8*	*.1991*	*100*
8062	*General medical & surgical hospitals*	*3*	*3*	*84.8*	*.0469*	*100*
Fauquier	All mfg.	12	3	82.8	.0038	37
Floyd	All mfg.	5	3	39.0	.0018	91
Fluvanna	All mfg.	3	1	29.3	.0014	78
Franklin	All mfg.	22	15	314.0	.0146	89
Franklin city	All mfg.	14	5	551.8	.0256	93
2621	Paper mills, except building paper	1	1	371.3	1.8476	100
Frederick	All mfg.	6	2	28.5	.0013	62
Fredericksburg city	All mfg.	23	7	193.2	.0090	71
Galax city	All mfg.	18	11	300.2	.0139	87
2254	Knit-underwear mills	1	1	68.1	5.9398	100
2511	Wood household furniture	3	3	102.6	1.4166	100
Giles	All mfg.	7	4	250.4	.0116	94
2823	Cellulosic man-made fibers	1	1	206.3	9.6280	100
Gloucester	All mfg.	11		32.5	.0015	0
Goochland	All mfg.	1		4.1	.0002	0
Grayson	All mfg.	11	5	87.4	.0041	77
Halifax	All mfg.	3	3	49.0	.0023	100
Hampton city	All mfg.	42	10	426.7	.0198	63
8062	*General medical & surgical hospitals*	*3*	*3*	*141.9*	*.0785*	*100*
Hanover	All mfg.	33	4	192.7	.0089	40
Harrisonburg city	All mfg.	37	17	397.0	.0184	72
8062	*General medical & surgical hospitals*	*1*	*1*	*55.0*	*.0304*	*100*
Henrico	All mfg.	13	2	113.6	.0053	51
Henry	All mfg.	16	10	411.5	.0191	95
2211	Cotton-weaving mills	1	1	26.6	.5452	100
2511	Wood household furniture	4	3	317.1	4.3783	99
Highland	All mfg.	1		2.5	.0001	0
Hopewell city	All mfg.	13	7	993.8	.0461	97
2821	Plastics materials & synthetic resins	2	2	266.5	1.2509	100
2824	Noncellulosic synthetic organic fibers	2	2	247.1	3.5199	100
2869	Industrial organic chemicals n.e.c.	2	2	389.9	1.2224	100
Isle of Wight	All mfg.	5	3	501.1	.0232	99
2011	Meat-packing plants	2	2	482.2	1.0798	100
James City	All mfg.	4	2	64.5	.0030	90
King and Queen	All mfg.	4	1	27.9	.0013	74
King George	All mfg.	6	2	104.8	.0049	82
King William	All mfg.	3	1	31.4	.0015	56
Lancaster	All mfg.	14		63.2	.0029	0
Lee	All mfg.	4	2	26.0	.0012	76
Lexington city	All mfg.	4	1	31.3	.0015	46
Loudoun	All mfg.	23	8	235.3	.0109	58
Louisa	All mfg.	7	4	54.8	.0025	89
Lunenburg	All mfg.	15	8	134.3	.0062	56
Lynchburg city	All mfg.	76	38	1,375.4	.0638	78
2819	Industrial inorganic chemicals n.e.c.	1	1	57.6	.3381	100
3662	Radio & TV communication equipment	1	1	208.5	.6177	100
Madison	All mfg.	5	1	23.3	.0011	36
Manassas city	All mfg.	2		7.5	.0003	0
Martinsville city	All mfg.	31	20	1,067.7	.0495	96
2253	Knit-outerwear mills	3	3	222.5	5.8738	100
2321	Men's & boys' shirts & nightwear	1	1	54.4	1.5173	100
2511	Wood household furniture	5	5	139.3	1.9233	100
2824	Noncellulosic synthetic organic fibers	1	1	481.5	6.8589	100
Mathews	All mfg.	1	1	5.9	.0003	100
Mecklenburg	All mfg.	21	14	223.3	.0104	89
Middlesex	All mfg.	7		23.3	.0011	0
Montgomery	All mfg.	18	10	231.3	.0107	83
Nelson	All mfg.	5	2	42.7	.0020	80
New Kent	All mfg.	4		14.5	.0007	0
Newport News city	All mfg.	38	21	1,627.2	.0755	96
3731	Ship building & repairing	2	2	1,123.6	14.2995	100
8062	*General medical & surgical hospitals*	*4*	*4*	*122.4*	*.0677*	*100*
Norfolk city	All mfg.	98	29	1,495.8	.0694	75
2711	Newspapers	3	2	83.7	.3787	98
3079	Miscellaneous plastics products	1	1	63.4	.2661	100
3711	Motor vehicles & passenger-car bodies	1	1	393.9	.4106	100
3731	Ship building & repairing	9	6	176.0	2.2399	95
4011	*Line-haul-operating railroads*	*2*	*1*	*203.7*	*.8234*	*98*
6025	*National banks, federal reserve system*	*3*	*2*	*445.1*	*.3225*	*99*
7011	*Hotels, motels, & tourist courts*	*13*	*4*	*42.7*	*.1374*	*75*
8062	*General medical & surgical hospitals*	*6*	*6*	*334.7*	*.1852*	*100*
8221	*Colleges & universities n.e.c.*	*3*	*3*	*80.2*	*.3005*	*100*
Northampton	All mfg.	11	5	107.9	.0050	83
Northumberland	All mfg.	8	2	78.3	.0036	67
Norton city	All mfg.	5	1	52.8	.0024	50
Nottoway	All mfg.	12	7	88.3	.0041	72
Orange	All mfg.	17	7	169.1	.0078	76
Page	All mfg.	11	7	200.9	.0093	86
2328	Men's & boys' work clothing	2	2	57.6	1.6187	100
Patrick	All mfg.	8	5	77.6	.0036	87
Petersburg city	All mfg.	19	5	134.1	.0062	60
Pittsylvania	All mfg.	13	5	109.5	.0051	67
Poquoson city	All mfg.	1		3.2	.0001	0
Portsmouth city	All mfg.	28	10	721.1	.0334	82
3651	Radio & TV receiving sets	1	1	333.6	4.5533	100
8062	*General medical & surgical hospitals*	*3*	*3*	*238.3*	*.1318*	*100*
Powhatan	All mfg.	2		5.4	.0003	0
Prince Edward	All mfg.	8	4	52.0	.0024	75
Prince George	All mfg.	2		6.2	.0003	0
Prince William	All mfg.	22	4	308.4	.0143	76
3679	Electronic components n.e.c.	1	1	177.2	.9059	100
Pulaski	All mfg.	18	14	477.3	.0221	95
2511	Wood household furniture	3	3	110.5	1.5257	100
Radford city	All mfg.	13	10	570.6	.0265	98
2892	Explosives	2	2	199.4	17.1497	100
3661	Telephone & telegraph apparatus	1	1	247.1	1.2984	100
Rappahannock	All mfg.	1	1	11.3	.0005	100
Richmond	All mfg.	3	1	35.4	.0016	81
Richmond city	All mfg.	240	84	7,965.8	.3694	90

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship. Recpt	% In Large Estab
VERMONT (cont.)						
1211	*Bituminous-coal & lignite mining*	*1*	*1*	*136.9*	*.8425*	*100*
2052	Cookies & crackers	3	3	265.9	5.7748	100
2111	Cigarettes	2	2	3,934.7	30.2060	100
2751	Letterpress commercial printing	12	4	61.8	.6605	78
2752	Lithographic commercial printing	13	3	95.7	.7404	59
2824	Noncellulosic synthetic organic fibers	2	1	360.8	5.1395	97
2834	Pharmaceutical preparations	1	1	114.0	.5342	100
2841	Soap & other detergents	2	1	286.0	3.3079	96
2899	Chemical preparations n.e.c.	1	1	188.1	1.7671	100
3079	Miscellaneous plastics products	4	3	99.3	.4168	97
3497	Metal foil & leaf	2	1	229.7	23.1249	91
3679	Electronic components n.e.c.	1	1	131.4	.6717	100
4011	*Line-haul-operating railroads*	*3*	*2*	*1,659.8*	*6.7091*	*100*
4931	*Electric & other services combined*	*1*	*1*	*1,674.9*	*5.6632*	*100*
6025	*National banks, federal reserve system*	*7*	*4*	*608.0*	*.4406*	*96*
7011	*Hotels, motels, & tourist courts*	*22*	*6*	*69.9*	*.2250*	*58*
8062	*General medical & surgical hospitals*	*13*	*12*	*781.5*	*.4324*	*100*
Roanoke	**All mfg.**	**7**	**4**	**94.6**	**.0044**	**80**
Roanoke city	**All mfg.**	**95**	**33**	**1,510.6**	**.0701**	**81**
2844	Toilet preparations	2	2	253.0	2.0540	100
4911	*Electric services*	*1*	*1*	*1.562.6*	*1.4287*	*100*
6025	*National banks, federal reserve system*	*5*	*3*	*305.2*	*.2212*	*93*
7011	*Hotels, motels, & tourist courts*	*9*	*3*	*200.6*	*.6457*	*84*
8062	*General medical & surgical hospitals*	*3*	*2*	*138.3*	*.0765*	*98*
Rockbridge	**All mfg.**	**6**	**5**	**102.9**	**.0048**	**96**
Rockingham	**All mfg.**	**20**	**12**	**317.7**	**.0147**	**92**
2016	Poultry-dressing plants	4	4	130.4	1.9256	100
Russell	**All mfg.**	**6**	**4**	**98.3**	**.0046**	**81**
1211	*Bituminous-coal & lignite mining*	*6*	*2*	*153.3*	*.9435*	*87*
Salem city	**All mfg.**	**26**	**16**	**675.6**	**.0313**	**95**
3622	Industrial controls	1	1	191.0	3.6487	100
8062	*General medical & surgical hospitals*	*2*	*2*	*150.1*	*.0830*	*100*
Scott	**All mfg.**	**7**	**6**	**64.2**	**.0030**	**94**
Shenandoah	**All mfg.**	**30**	**14**	**312.9**	**.0145**	**76**
Smyth	**All mfg.**	**26**	**21**	**427.1**	**.0198**	**94**
8062	*General medical & surgical hospitals*	*2*	*2*	*68.9*	*.0381*	*100*
Southampton	**All mfg.**	**5**	**3**	**59.5**	**.0028**	**90**
South Boston city	**All mfg.**	**17**	**9**	**243.3**	**.0113**	**86**
Spotsylvania	**All mfg.**	**13**	**5**	**169.3**	**.0079**	**89**
Stafford	**All mfg.**	**1**		**14.4**	**.0007**	**0**
Staunton city	**All mfg.**	**11**	**1**	**78.4**	**.0036**	**52**
8062	*General medical & surgical hospitals*	*2*	*2*	*100.4*	*.0555*	*100*
Suffolk city	**All mfg.**	**38**	**9**	**581.1**	**.0269**	**71**
2065	Confectionery products	7	3	234.4	2.9825	89
3651	Radio & TV receiving sets	1	1	111.2	1.5178	100
Surry	**All mfg.**	**2**		**14.9**	**.0007**	**0**
Sussex	**All mfg.**	**8**	**3**	**89.8**	**.0042**	**59**
Tazewell	**All mfg.**	**21**	**6**	**161.1**	**.0075**	**60**
1211	*Bituminous-coal & lignite mining*	*9*	*2*	*172.4*	*1.0610*	*72*
Virginia Beach city	**All mfg.**	**30**	**10**	**339.9**	**.0158**	**78**
7011	*Hotels, motels, & tourist courts*	*20*	*2*	*34.9*	*1123*	*56*
8062	*General medical & surgical hospitals*	*1*	*1*	*57.1*	*.0316*	*100*
Warren	**All mfg.**	**10**	**5**	**246.9**	**.0115**	**95**
2823	Cellulosic man-made fibers	1	1	151.8	7.0845	100
Washington	**All mfg.**	**21**	**8**	**214.1**	**.0099**	**67**
Waynesboro city	**All mfg.**	**18**	**7**	**360.2**	**.0167**	**92**
Westmoreland	**All mfg.**	**14**	**3**	**92.4**	**.0043**	**53**
Williamsburg city	**All mfg.**	**10**	**4**	**666.6**	**.0309**	**95**
2082	Malt beverages	1	1	361.3	3.2060	100
7011	*Hotels, motels, & tourist courts*	*27*	*7*	*70.1*	*.2256*	*66*
8062	*General medical & surgical hospitals*	*2*	*2*	*87.1*	*.0482*	*100*
Winchester city	**All mfg.**	**48**	**22**	**974.4**	**.0452**	**82**
8062	*General medical & surgical hospitals*	*1*	*1*	*70.1*	*.0388*	*100*
Wise	**All mfg.**	**6**	**2**	**268.8**	**.0125**	**95**
1211	*Bituminous-coal & lignite mining*	*17*	*7*	*247.5*	*1.5232*	*75*
3312	Blast furnaces & steel mills	1	1	247.9	.8377	100
Wythe	**All mfg.**	**14**	**7**	**102.1**	**.0047**	**83**
York	**All mfg.**	**7**	**2**	**324.4**	**.0150**	**97**
STATE TOTAL	**All mfg.**	**2,234**	**916**	**40,437.5**	**1.8754**	**84**
WASHINGTON						
Adams	**All mfg.**	**2**	**1**	**51.7**	**.0024**	**92**
Asotin	**All mfg.**	**2**		**12.1**	**.0006**	**0**
Benton	**All mfg.**	**18**	**10**	**498.1**	**.0231**	**88**
2819	Industrial inorganic chemicals n.e.c.	4	3	167.9	.9855	96
4912	*Nuclear power*	*3*	*2*	*823.9*	*2.9296*	*98*
Chelan	**All mfg.**	**26**	**9**	**409.0**	**.0190**	**81**
3334	Primary aluminum	2	1	199.8	3.6171	95
Clallam	**All mfg.**	**13**	**5**	**168.7**	**.0078**	**84**
Clark	**All mfg.**	**51**	**21**	**879.5**	**.0408**	**82**
3334	Primary aluminum	1	1	197.9	3.5827	100
8062	*General medical & surgical hospitals*	*4*	*3*	*85.4*	*.0472*	*99*
Columbia	**All mfg.**	**1**	**1**	**18.3**	**.0008**	**100**

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship. Recpt	% In Large Estab
Cowlitz	**All mfg.**	**34**	**16**	**1,242.9**	**.0576**	**93**
2421	General sawmills & planing mills	3	3	287.1	2.8300	100
2611	Pulp mills	1	1	155.0	3.3058	100
2621	Paper mills, except building paper	2	2	153.4	.7633	100
2631	Paperboard mills	1	1	200.4	2.4715	100
3334	Primary aluminum	1	1	175.0	3.1681	100
Douglas	**All mfg.**	**2**	**2**	**66.6**	**.0031**	**100**
Ferry	**All mfg.**	**1**	**1**	**12.5**	**.0006**	**100**
Franklin	**All mfg.**	**9**	**6**	**606.2**	**.0281**	**99**
2037	Frozen fruits & vegetables	2	2	217.3	2.8961	100
Grant	**All mfg.**	**8**	**4**	**269.8**	**.0125**	**95**
Grays Harbor	**All mfg.**	**33**	**15**	**749.3**	**.0348**	**91**
2436	Softwood veneer & plywood	4	4	154.4	3.5511	100
2611	Pulp mills	2	1	189.1	4.0331	93
Island	**All mfg.**	**3**	**2**	**19.4**	**.0009**	**81**
Jefferson	**All mfg.**	**1**		**2.2**	**.0001**	**0**
King	**All mfg.**	**648**	**178**	**13,744.6**	**.6374**	**84**
1629	*Heavy construction n.e.c.*	*17*	*2*	*151.6*	*.5744*	*40*
2051	Bread, cake, & related products	8	6	135.5	.8507	97
2086	Bottled & canned soft drinks	5	3	183.4	9659	90
2091	Canned & cured seafoods	11	4	511.5	28.1446	91
2329	Men's & boys' clothing n.e.c.	8	5	37.8	2.1313	88
2711	Newspapers	11	6	191.5	.8664	95
2751	Letterpress commercial printing	20	2	45.9	.4906	29
3079	Miscellaneous plastics products	22	6	85.[illegible]	.3572	53
3273	Ready-mixed concrete	8	5	91.8	1.0905	82
3312	Blast furnaces & steel mills	2	2	179.9	.6079	100
3444	Sheet-metal work	15	3	128.3	1.0826	52
3599	Machinery, except electrical, n.e.c.	25	4	105.9	.9253	49
3662	Radio & TV communication equipment	11	4	723.6	2.1439	96
3693	X-ray apparatus & tubes	4	3	209.1	3.9456	98
3713	Truck & bus bodies	5	1	251.6	2.7462	92
3721	Aircraft	2	2	4,340.8	15.0090	100
3728	Aircraft equipment n.e.c.	18	4	293.4	2.4323	81
3731	Ship building & repairing	8	3	335.5	4.2698	97
3743	Railroad equipment	1	1	488.4	10.5010	100
3761	Guided missiles & space vehicles	2	2	939.6	7.1131	100
3769	Space-vehicle equipment n.e.c.	2	2	54[illegible].6	13.4958	100
3949	Sporting & athletic goods n.e.c.	7	2	68.0	1.6737	71
4911	*Electric services*	*5*	*2*	*740.4*	*.6769*	*96*
6025	*National banks, federal reserve system*	*8*	*4*	*1,808.1*	*1.3102*	*99*
7011	*Hotels, motels, & tourist courts*	*52*	*22*	*263.1*	*.8469*	*82*
7372	*Computer programming & software*	*16*	*4*	*72.3*	*.6326*	*70*
8062	*General medical & surgical hospitals*	*23*	*19*	*705.6*	*.3904*	*99*
8221	*Colleges & universities n.e.c.*	*7*	*4*	*156.2*	*.5852*	*98*
Kitsap	**All mfg.**	**9**	**2**	**40.8**	**.0019**	**52**
8062	*General medical & surgical hospitals*	*2*	*2*	*80.6*	*.0446*	*100*
Kittitas	**All mfg.**	**8**	**1**	**58.3**	**.0027**	**23**
Klickitat	**All mfg.**	**6**	**4**	**289.6**	**.0134**	**98**
Lewis	**All mfg.**	**35**	**11**	**379.3**	**.0176**	**70**
Lincoln	**All mfg.**	**1**		**1.5**	**.0001**	**0**
Mason	**All mfg.**	**9**	**3**	**100.0**	**.0046**	**79**
Okanogan	**All mfg.**	**7**	**1**	**56.2**	**.0026**	**62**
Pacific	**All mfg.**	**5**	**1**	**39.6**	**.0018**	**36**
Pend Oreille	**All mfg.**	**4**		**19.2**	**.0009**	**0**
Pierce	**All mfg.**	**151**	**45**	**1,836.0**	**.0851**	**65**
2431	Millwork	10	4	65.9	1.0768	76
2711	Newspapers	4	2	69.0	.3122	92
3731	Ship building & repairing	3	1	117.9	1.5005	95
8062	*General medical & surgical hospitals*	*13*	*10*	*521.2*	*.2884*	*98*
8221	*Colleges & universities n.e.c.*	*3*	*3*	*73.7*	*.2761*	*100*
Skagit	**All mfg.**	**22**	**8**	**1,413.2**	**.0655**	**96**
Skamania	**All mfg.**	**3**	**2**	**50.2**	**.0023**	**92**
Snohomish	**All mfg.**	**114**	**27**	**2,334.3**	**.1083**	**83**
2037	Frozen fruits & vegetables	2	1	165.2	2.2017	94
3662	Radio & TV communication equipment	4	2	194.6	.5766	98
3721	Aircraft	3	1	996.0	3.4438	99
3732	Boat building & repairing	3	1	51.9	2.3778	91
8062	*General medical & surgical hospitals*	*5*	*4*	*165.1*	*.0913*	*97*
Spokane	**All mfg.**	**122**	**37**	**1,939.7**	**.0900**	**79**
3353	Aluminum sheet, plate, & foil	1	1	485.6	9.0008	100
3573	Electronic computing equipment	3	3	286.8	.5554	100
3825	Electricity-measuring instruments	1	1	74.6	1.3393	100
4011	*Line-haul-operating railroads*	*2*	*2*	*123.9*	*.5008*	*100*
4931	*Electric & other services combined*	*3*	*1*	*296.9*	*1.0039*	*93*

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

County SIC	Industry	1986 S&MM Est Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship Recpt	% In Large Estab.
7011	*Hotels, motels, & tourist courts*	*14*	*5*	*44.0*	*.1416*	*76*
8062	*General medical & surgical hospitals*	*11*	*8*	*335.9*	*.1858*	*98*
Stevens	**All mfg.**	**10**	**3**	**99.7**	**.0046**	**71**
Thurston	**All mfg.**	**26**	**9**	**349.3**	**.0162**	**78**
8062	*General medical & surgical hospitals*	*1*	*1*	*55.0*	*.0304*	*100*
Wahkiakum	**All mfg.**	**1**	**1**	**19.1**	**.0009**	**100**
Walla Walla	**All mfg.**	**15**	**7**	**373.0**	**.0173**	**98**
8062	*General medical & surgical hospitals*	*4*	*4*	*61.6*	*.0341*	*100*
Whatcom	**All mfg.**	**39**	**16**	**1,497.1**	**.0694**	**92**
2431	Millwork	1	1	65.8	1.0751	100
2611	Pulp mills	1	1	168.5	3.5937	100
3334	Primary aluminum	1	1	58.7	1.0627	100
Whitman	**All mfg.**	**1**		**1.2**	**.0001**	**0**
Yakima	**All mfg.**	**67**	**15**	**1,005.0**	**.0466**	**66**
2033	Canned fruits & vegetables	8	4	336.6	2.2272	89
8062	*General medical & surgical hospitals*	*6*	*5*	*89.8*	*.0497*	*96*
STATE TOTAL	**All mfg.**	**1,507**	**464**	**30,653.2**	**1.4216**	**83**

WEST VIRGINIA

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship Recpt	% In Large Estab.
Barbour	**All mfg.**	**4**		**9.8**	**.0005**	**0**
Berkeley	**All mfg.**	**24**	**13**	**347.2**	**.0161**	**88**
8062	*General medical & surgical hospitals*	*3*	*3*	*103.2*	*.0571*	*100*
Boone	**All mfg.**	**1**		**6.1**	**.0003**	**0**
1211	*Bituminous-coal & lignite mining*	*10*	*6*	*216.1*	*1.3299*	*90*
Braxton	**All mfg.**	**4**	**1**	**26.5**	**.0012**	**32**
Brooke	**All mfg.**	**14**	**6**	**205.9**	**.0095**	**75**
Cabell	**All mfg.**	**51**	**18**	**1,350.5**	**.0626**	**83**
3356	Nonferrous rolling & drawing n.e.c.	1	1	563.3	13.0014	100
3532	Mining machinery	6	2	113.3	4.1206	82
8062	*General medical & surgical hospitals*	*7*	*6*	*170.6*	*.0944*	*98*
Calhoun	**All mfg.**	**2**	**1**	**12.6**	**.0006**	**81**
Clay	**All mfg.**	**1**		**2.1**	**.0001**	**0**
Doddridge	**All mfg.**	**1**		**5.0**	**.0002**	**0**
Fayette	**All mfg.**	**7**	**2**	**211.1**	**.0098**	**94**
1211	*Bituminous-coal & lignite mining*	*9*	*5*	*264.2*	*1.6260*	*93*
3313	Electrometallurgical products	1	1	178.3	22.5325	100
Gilmer	**All mfg.**	**2**	**1**	**40.1**	**.0019**	**92**
Grant	**All mfg.**	**6**	**1**	**37.9**	**.0018**	**14**
Greenbrier	**All mfg.**	**17**	**4**	**95.1**	**.0044**	**52**
7011	*Hotels, motels, & tourist courts*	*2*	*1*	*49.8*	*.1603*	*97*
Hampshire	**All mfg.**	**2**		**3.2**	**.0001**	**0**
Hancock	**All mfg.**	**25**	**10**	**1,612.9**	**.0748**	**96**
3262	Vitreous china food utensils	1	1	84.7	22.4907	100
3312	Blast furnaces & steel mills	1	1	1,146.9	3.8756	100
Hardy	**All mfg.**	**4**	**2**	**37.9**	**.0018**	**76**
Harrison	**All mfg.**	**28**	**9**	**413.3**	**.0192**	**71**
3229	Pressed & blown glass n.e.c.	2	2	81.2	1.9972	100
4923	*Gas transmission & distribution*	*2*	*2*	*1,063.2*	*4.2599*	*100*
Jackson	**All mfg.**	**3**	**1**	**489.7**	**.0227**	**99**
3353	Aluminum sheet, plate, & foil	1	1	485.6	9.0008	100
Jefferson	**All mfg.**	**10**	**4**	**136.2**	**.0063**	**80**
3581	Automatic merchandising machines	1	1	33.7	4.8496	100
Kanawha	**All mfg.**	**75**	**22**	**2,446.0**	**.1134**	**90**
1211	*Bituminous-coal & lignite mining*	*13*	*6*	*315.9*	*1.9441*	*89*
2824	Noncellulosic synthetic organic fibers	1	1	180.1	2.5655	100
2869	Industrial organic chemicals n.e.c.	6	4	1,290.7	4.0467	99
4922	*Natural-gas transmission*	*3*	*1*	*1,794.5*	*3.9261*	*95*
6025	*National banks, federal reserve system*	*9*	*4*	*225.2*	*.1632*	*81*
8062	*General medical & surgical hospitals*	*7*	*5*	*253.2*	*.1401*	*97*
Lewis	**All mfg.**	**7**	**5**	**129.7**	**.0060**	**97**
3229	Pressed & blown glass n.e.c.	3	3	99.4	2.4448	100
Lincoln	**All mfg.**	**1**		**4.6**	**.0002**	**0**
Logan	**All mfg.**	**15**	**2**	**55.6**	**.0026**	**31**
1211	*Bituminous-coal & lignite mining*	*16*	*12*	*375.5*	*2.3109*	*90*
McDowell	**All mfg.**	**2**		**6.9**	**.0003**	**0**
1211	*Bituminous-coal & lignite mining*	*13*	*10*	*290.6*	*1.7884*	*96*
Marion	**All mfg.**	**30**	**6**	**343.2**	**.0159**	**69**
1211	*Bituminous-coal & lignite mining*	*8*	*6*	*244.5*	*1.5047*	*97*
3641	Electric lamps	1	1	107.7	4.2655	100
Marshall	**All mfg.**	**13**	**5**	**223.6**	**.0104**	**60**
1211	*Bituminous-coal & lignite mining*	*3*	*3*	*158.9*	*.9779*	*100*
Mason	**All mfg.**	**9**	**4**	**208.2**	**.0097**	**81**
Mercer	**All mfg.**	**31**	**7**	**239.4**	**.0111**	**49**
8062	*General medical & surgical hospitals*	*3*	*3*	*82.3*	*.0455*	*100*
Mineral	**All mfg.**	**11**	**2**	**82.0**	**.0038**	**28**
Mingo	**All mfg.**	**6**		**20.5**	**.0010**	**0**
Monongalia	**All mfg.**	**22**	**9**	**320.8**	**.0149**	**81**
1211	*Bituminous-coal & lignite mining*	*7*	*4*	*173.2*	*1.0659*	*91*
8062	*General medical & surgical hospitals*	*3*	*3*	*136.9*	*.0757*	*100*
Monroe	**All mfg.**	**1**	**1**	**14.6**	**.0007**	**100**
Morgan	**All mfg.**	**3**	**1**	**66.7**	**.0031**	**85**
Nicholas	**All mfg.**	**12**	**4**	**106.8**	**.0050**	**72**
Ohio	**All mfg.**	**32**	**12**	**329.8**	**.0153**	**69**
8062	*General medical & surgical hospitals*	*1*	*1*	*83.4*	*.0461*	*100*
Pendleton	**All mfg.**	**3**	**1**	**28.2**	**.0013**	**73**
Pleasants	**All mfg.**	**3**	**3**	**524.0**	**.0243**	**100**
Pocahontas	**All mfg.**	**5**	**3**	**36.7**	**.0017**	**82**
Preston	**All mfg.**	**7**	**2**	**49.0**	**.0023**	**51**
Putnam	**All mfg.**	**7**	**1**	**43.7**	**.0020**	**38**
Raleigh	**All mfg.**	**23**	**9**	**111.6**	**.0052**	**38**
1211	*Bituminous-coal & lignite mining*	*17*	*11*	*268.0*	*1.6494*	*87*
8062	*General medical & surgical hospitals*	*6*	*6*	*161.4*	*.0893*	*100*
Randolph	**All mfg.**	**16**	**5**	**69.7**	**.0032**	**57**
Ritchie	**All mfg.**	**10**	**2**	**77.5**	**.0036**	**29**
Roane	**All mfg.**	**8**	**3**	**53.0**	**.0025**	**82**
Taylor	**All mfg.**	**8**	**5**	**131.8**	**.0061**	**93**
Tucker	**All mfg.**	**6**	**2**	**106.5**	**.0049**	**78**
Tyler	**All mfg.**	**2**	**1**	**66.7**	**.0031**	**94**
Upshur	**All mfg.**	**8**	**3**	**115.5**	**.0054**	**90**
Wayne	**All mfg.**	**11**	**3**	**161.1**	**.0075**	**75**
Webster	**All mfg.**	**1**		**2.1**	**.0001**	**0**
Wetzel	**All mfg.**	**10**	**6**	**1,278.5**	**.0593**	**99**
2813	Industrial gases	1	1	216.9	7.9445	100
2821	Plastics materials & synthetic resins	1	1	689.2	3.2349	100
Wirt	**All mfg.**	**1**	**1**	**5.8**	**.0003**	**100**
Wood	**All mfg.**	**52**	**16**	**1,524.4**	**.0707**	**83**
2821	Plastics materials & synthetic resins	3	3	756.6	3.5513	100
3229	Pressed & blown glass n.e.c.	3	3	86.6	2.1300	100
3423	Hand & edge tools n.e.c.	1	1	141.3	4.2503	100
8062	*General medical & surgical hospitals*	*2*	*2*	*93.5*	*.0517*	*100*
Wyoming	**All mfg.**	**7**		**8.8**	**.0004**	**0**
1211	*Bituminous-coal & lignite mining*	*9*	*8*	*308.3*	*1.8974*	*99*
STATE TOTAL	**All mfg.**	**650**	**213**	**14,036.1**	**.6509**	**84**

WISCONSIN

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship Recpt	% In Large Estab.
Adams	**All mfg.**	**3**	**1**	**19.2**	**.0009**	**63**
Ashland	**All mfg.**	**10**	**5**	**77.4**	**.0036**	**79**
Barron	**All mfg.**	**29**	**13**	**389.4**	**.0181**	**75**
Bayfield	**All mfg.**	**1**		**7.3**	**.0003**	**0**
Brown	**All mfg.**	**128**	**47**	**3,975.5**	**.1844**	**88**
2621	Paper mills, except building paper	5	5	632.2	3.1458	100
2647	Sanitary paper products	7	5	1,157.9	12.4352	96
2653	Corrugated & solid fiber boxes	1	1	244.2	2.3238	100
3554	Paper-industries machinery	5	2	131.6	7.5459	86
4931	*Electric & other services combined*	*1*	*1*	*415.7*	*1.4056*	*100*
8062	*General medical & surgical hospitals*	*3*	*3*	*117.5*	*.0650*	*100*
Buffalo	**All mfg.**	**1**		**20.2**	**.0010**	**0**
Burnett	**All mfg.**	**7**	**1**	**46.5**	**.0022**	**45**
Calumet	**All mfg.**	**26**	**8**	**544.1**	**.0252**	**77**
3519	Internal-combustion engines n.e.c.	1	1	178.8	1.8027	100
Chippewa	**All mfg.**	**31**	**11**	**608.3**	**.0282**	**85**
8062	*General medical & surgical hospitals*	*6*	*5*	*89.3*	*.0494*	*97*
Clark	**All mfg.**	**19**	**3**	**300.0**	**.0139**	**44**
Columbia	**All mfg.**	**39**	**10**	**315.2**	**.0146**	**54**
Crawford	**All mfg.**	**9**	**3**	**206.6**	**.0096**	**88**
Dane	**All mfg.**	**149**	**56**	**2,888.1**	**.1339**	**86**
2011	Meat-packing plants	1	1	744.4	1.6669	100
2591	Drapery hardware & blinds & shades	1	1	93.8	7.1401	100
4931	*Electric & other services combined*	*2*	*2*	*709.4*	*2.3986*	*100*
7011	*Hotels, motels, & tourist courts*	*19*	*4*	*50.0*	*.1609*	*59*
8062	*General medical & surgical hospitals*	*6*	*6*	*377.3*	*.2087*	*100*
8221	*Colleges & universities n.e.c.*	*1*	*1*	*82.4*	*.3087*	*100*
Dodge	**All mfg.**	**51**	**17**	**774.1**	**.0359**	**79**
3524	Lawn & garden equipment	1	1	82.5	4.7561	100
Door	**All mfg.**	**13**	**7**	**341.8**	**.0159**	**93**
3731	Ship building & repairing	2	2	134.9	1.7168	100
Douglas	**All mfg.**	**13**	**5**	**424.2**	**.0197**	**90**
Dunn	**All mfg.**	**8**	**2**	**133.1**	**.0062**	**72**
Eau Claire	**All mfg.**	**23**	**13**	**572.2**	**.0265**	**92**
Florence	**All mfg.**	**1**		**3.7**	**.0002**	**0**
Fond du Lac	**All mfg.**	**58**	**27**	**1,231.6**	**.0571**	**88**
3519	Internal-combustion engines n.e.c.	2	1	385.3	3.8847	97
3694	Engine electrical equipment	1	1	38.5	.7208	100
8062	*General medical & surgical hospitals*	*4*	*4*	*60.7*	*.0336*	*100*
Forest	**All mfg.**	**2**	**1**	**13.3**	**.0006**	**86**
Grant	**All mfg.**	**10**	**4**	**158.2**	**.0073**	**75**
3612	Transformers	2	2	66.0	2.3368	100
Green	**All mfg.**	**22**	**8**	**332.2**	**.0154**	**60**
Green Lake	**All mfg.**	**23**	**8**	**158.4**	**.0073**	**70**
Iowa	**All mfg.**	**5**	**3**	**36.1**	**.0017**	**67**
Iron	**All mfg.**	**2**		**5.9**	**.0003**	**0**
Jackson	**All mfg.**	**6**	**1**	**42.6**	**.0020**	**32**
Jefferson	**All mfg.**	**71**	**27**	**1,182.2**	**.0548**	**82**
3079	Miscellaneous plastics products	7	2	36.7	.1540	68

1986 S&MM Est

County SIC	Industry	Establishments Total	Establishments Large	Shipments Receipts ($ Mil.)	% Of U.S. Ship Recpt	% In Large Estab
WISCONSIN *(cont)*						
Juneau	**All mfg.**	**14**	**6**	**173.0**	**.0080**	**84**
Kenosha	**All mfg.**	**50**	**19**	**2,232.6**	**.1035**	**94**
3711	Motor vehicles & passenger-car bodies	2	1	1,327.2	1.3834	99
8062	*General medical & surgical hospitals*	*2*	*2*	*80.2*	*.0444*	*100*
Kewaunee	**All mfg.**	**14**	**4**	**134.6**	**.0062**	**68**
La Crosse	**All mfg.**	**50**	**16**	**692.1**	**.0321**	**78**
3585	Refrigeration & heating equipment	1	1	171.9	1.1049	100
8062	*General medical & surgical hospitals*	*2*	*1*	*99.3*	*.0549*	*97*
Lafayette	**All mfg.**	**3**	**2**	**70.2**	**.0033**	**83**
Langlade	**All mfg.**	**14**	**4**	**114.3**	**.0053**	**66**
Lincoln	**All mfg.**	**20**	**11**	**278.8**	**.0129**	**78**
Manitowoc	**All mfg.**	**74**	**29**	**1,212.9**	**.0563**	**77**
3469	Metal stampings n.e.c.	3	1	92.8	.7946	93
3842	Surgical appliances & supplies	1	1	69.6	1.0445	100
4912	*Nuclear power*	*3*	*3*	*371.3*	*1.3202*	*100*
Marathon	**All mfg.**	**66**	**28**	**1,392.9**	**.0646**	**84**
2022	Natural & processed cheese	5	3	457.2	5.4289	92
2621	Paper mills, except building paper	3	3	165.8	.8250	100
3621	Motors & generators	1	1	87.5	1.1231	100
8062	*General medical & surgical hospitals*	*2*	*2*	*70.5*	*.0390*	*100*
Marinette	**All mfg.**	**33**	**17**	**805.6**	**.0374**	**91**
2621	Paper mills, except building paper	3	3	217.1	1.0803	100
Marquette	**All mfg.**	**2**	**1**	**13.3**	**.0006**	**59**
Menominee	**All mfg.**	**1**	**1**	**33.2**	**.0015**	**100**
Milwaukee	**All mfg.**	**754**	**283**	**14,090.8**	**.6535**	**86**
2082	Malt beverages	2	2	827.4	7.3419	100
2531	Public-building & related furniture	6	3	38.6	2.3911	85
2711	Newspapers	4	3	177.5	.8030	99
2752	Lithographic commercial printing	21	5	131.9	1.0205	54
2851	Paints & allied products	6	2	188.3	1.6826	86
3079	Miscellaneous plastics products	19	6	93.7	.3933	58
3111	Leather tanning & finishing	15	9	199.2	9.7882	86
3143	Men's nonathletic footwear	1	1	64.1	2.4816	100
3317	Steel pipe & tubes	1	1	58.5	.8961	100
3325	Steel foundries n.e.c.	8	7	280.1	5.4142	97
3411	Metal cans	4	4	406.1	3.6994	100
3429	Hardware n.e.c.	1	1	178.3	1.9655	100
3443	Fabricated plate work (boiler shops)	15	5	265.3	1.9521	78
3462	Iron & steel forgings	4	3	590.3	11.1015	99
3469	Metal stampings n.e.c.	12	3	89.3	.7646	68
3519	Internal-combustion engines n.e.c.	5	4	795.7	8.0224	99
3531	Construction machinery	14	10	445.7	3.6822	93
3532	Mining machinery	4	3	207.5	7.5466	99
3536	Hoists, industrial cranes, & monorails	8	3	110.2	7.9498	85
3541	Metal-cutting machine tools	7	2	127.3	2.9211	89
3566	Speed changers, drives, & gears	4	4	252.4	13.6706	100
3569	General industrial machinery n.e.c.	13	6	175.9	3.1005	87
3599	Machinery, except electrical, n.e.c.	25	9	191.9	1.6767	77
3621	Motors & generators	7	2	108.9	1.3978	85
3622	Industrial controls	9	5	435.0	8.3098	96
3662	Radio & TV communication equipment	7	2	251.1	.7440	92
3679	Electronic components n.e.c.	8	7	91.7	.4688	98
3693	X-ray apparatus & tubes	3	2	752.1	14.1916	98
3714	Motor-vehicle parts & accessories	5	3	586.6	1.5394	99
3751	Motorcycles, bicycles, & parts	1	1	202.6	12.3778	100
3993	Signs & advertising displays	12	6	64.1	2.7048	83
4911	*Electric services*	*2*	*2*	*820.2*	*.7499*	*100*
6025	*National banks, federal reserve system*	*13*	*4*	*728.4*	*.5278*	*93*
7011	*Hotels, motels, & tourist courts*	*30*	*10*	*126.2*	*.4062*	*81*
8062	*General medical & surgical hospitals*	*20*	*18*	*1,085.0*	*.6068*	*99*
8221	*Colleges & universities n.e.c.*	*6*	*5*	*172.7*	*.6470*	*99*
Monroe	**All mfg.**	**14**	**6**	**146.5**	**.0068**	**60**
8062	*General medical & surgical hospitals*	*3*	*3*	*72.9*	*.0403*	*100*
Oconto	**All mfg.**	**23**	**7**	**183.4**	**.0085**	**65**
Oneida	**All mfg.**	**10**	**6**	**212.0**	**.0098**	**91**
Outagamie	**All mfg.**	**87**	**36**	**1,956.8**	**.0907**	**88**
2621	Paper mills, except building paper	5	4	477.9	2.3780	99
3623	Electric welding apparatus	1	1	158.7	6.5804	100
8062	*General medical & surgical hospitals*	*4*	*3*	*77.8*	*.0430*	*98*
Ozaukee	**All mfg.**	**79**	**24**	**871.6**	**.0404**	**69**
Pepin	**All mfg.**	**4**	**1**	**62.0**	**.0029**	**30**
Pierce	**All mfg.**	**8**	**5**	**103.4**	**.0048**	**84**
Polk	**All mfg.**	**21**	**4**	**135.8**	**.0063**	**23**
Portage	**All mfg.**	**21**	**11**	**448.8**	**.0208**	**89**
8221	*Colleges & universities n.e.c.*	*1*	*1*	*45.5*	*.1817*	*100*
Price	**All mfg.**	**12**	**7**	**187.7**	**.0087**	**94**
Racine	**All mfg.**	**152**	**56**	**2,865.2**	**.1329**	**88**
2731	Book publishing	2	1	131.4	1.3387	93
2842	Polishes & sanitation goods	3	1	568.9	7.7201	99
3523	Farm machinery & equipment	2	2	114.1	1.1463	100
3531	Construction machinery	5	3	127.4	1.0525	95
3568	Power-transmission equipment n.e.c.	1	1	75.3	1.8827	100
3639	Household appliances n.e.c.	1	1	131.6	6.5203	100
8062	*General medical & surgical hospitals*	*4*	*4*	*149.7*	*.0828*	*100*
Richland	**All mfg.**	**12**	**4**	**105.4**	**.0049**	**56**
Rock	**All mfg.**	**72**	**30**	**3,092.3**	**.1434**	**93**
3554	Paper-industries machinery	1	1	85.9	4.9255	100
3711	Motor vehicles & passenger-car bodies	1	1	2,006.6	2.0915	100
8062	*General medical & surgical hospitals*	*5*	*4*	*129.1*	*.0714*	*99*
Rusk	**All mfg.**	**10**	**4**	**119.6**	**.0055**	**74**
St. Croix	**All mfg.**	**24**	**13**	**243.9**	**.0113**	**78**
Sauk	**All mfg.**	**31**	**14**	**400.1**	**.0186**	**76**
Sawyer	**All mfg.**	**1**		**2.7**	**.0001**	**0**
Shawano	**All mfg.**	**16**	**6**	**224.8**	**.0104**	**43**
Sheboygan	**All mfg.**	**103**	**40**	**1,399.4**	**.0649**	**77**
2499	Wood products n.e.c.	3	2	45.2	1.0057	97
3079	Miscellaneous plastics products	13	4	42.5	.1784	61
3431	Metal sanitary ware	1	1	102.4	11.8491	100
3621	Motors & generators	1	1	83.6	1.0730	100
8062	*General medical & surgical hospitals*	*3*	*3*	*77.1*	*.0427*	*100*
Taylor	**All mfg.**	**9**	**4**	**120.5**	**.0056**	**89**
Trempealeau	**All mfg.**	**9**	**2**	**67.8**	**.0031**	**55**
Vernon	**All mfg.**	**5**	**1**	**52.4**	**.0024**	**43**
Vilas	**All mfg.**	**6**	**1**	**29.7**	**.0014**	**42**
Walworth	**All mfg.**	**69**	**23**	**735.7**	**.0341**	**75**
Washburn	**All mfg.**	**3**		**7.0**	**.0003**	**0**
Washington	**All mfg.**	**76**	**17**	**940.2**	**.0436**	**69**
3634	Electric housewares & fans	2	2	175.8	4.5705	100
Waukesha	**All mfg.**	**318**	**76**	**3,458.5**	**.1604**	**71**
2751	Letterpress commercial printing	1	1	48.7	.5205	100
2752	Lithographic commercial printing	9	2	85.3	.6600	67
3079	Miscellaneous plastics products	13	3	61.4	.2577	50
3519	Internal-combustion engines n.e.c.	2	1	107.4	1.0828	97
3531	Construction machinery	5	2	191.6	1.5829	89
3599	Machinery, except electrical, n.e.c.	25	2	89.3	.7803	47
3612	Transformers	3	3	89.7	3.1759	100
3693	X-ray apparatus & tubes	2	1	568.7	10.7310	100
5085	*Industrial-supply distributors*	*12*	*1*	*176.9*	*.8921*	*72*
7011	*Hotels, motels, & tourist courts*	*9*	*4*	*40.0*	*.1288*	*74*
8062	*General medical & surgical hospitals*	*6*	*5*	*150.6*	*.0833*	*98*
Waupaca	**All mfg.**	**36**	**15**	**695.1**	**.0322**	**79**
2013	Sausages & other prepared meats	1	1	203.9	1.4582	100
8062	*General medical & surgical hospitals*	*4*	*4*	*56.3*	*.0311*	*100*
Waushara	**All mfg.**	**6**		**28.5**	**.0013**	**0**
Winnebago	**All mfg.**	**130**	**51**	**3,033.2**	**.1407**	**89**
2431	Millwork	5	3	150.0	2.4509	95
2621	Paper mills, except building paper	8	6	876.3	4.3605	98
2647	Sanitary paper products	2	2	263.7	2.8320	100
2732	Book printing	1	1	102.0	2.4218	100
3321	Gray-iron foundries	2	2	190.7	1.9999	100
3713	Truck & bus bodies	3	3	322.5	3.5200	100
8062	*General medical & surgical hospitals*	*2*	*2*	*80.9*	*.0448*	*100*
Wood	**All mfg.**	**47**	**21**	**1,639.9**	**.0761**	**91**
2492	Particleboard	1	1	135.4	11.0180	100
2621	Paper mills, except building paper	3	3	728.9	3.6270	100
2641	Paper coating & glazing	1	1	111.5	1.9209	100
2655	Fiber cans, drums, & similar products	1	1	101.7	6.5757	100
8062	*General medical & surgical hospitals*	*3*	*3*	*94.6*	*.0523*	*100*
STATE TOTAL	**All mfg.**	**3,268**	**1,187**	**59,622.0**	**2.7651**	**83**

DEFINITIONS: **SIC Industry:** Classification by primary product or service. **Total Establishments:** Those with 20 or more employees. **Large Establishments:** Those with 100 or more employees. **Shipments/Receipts:** Total dollar value of goods produced or distributed, or services rendered. **% Of U.S. Ship./Recpt.:** Boldface refers to county's share of total U.S. manufacturing shipments; lightface to the SIC industry in the county and its share of that industry's total U.S. shipments/receipts. **% In Large Establishments:** Share of shipments/receipts accounted for by establishments with 100 or more employees. **All Mfg.:** Total for all manufacturing establishments with 20 or more employees. Nonmanufacturing totals do not appear due to nonavailability. **N.E.C.:** Not Elsewhere Classified.

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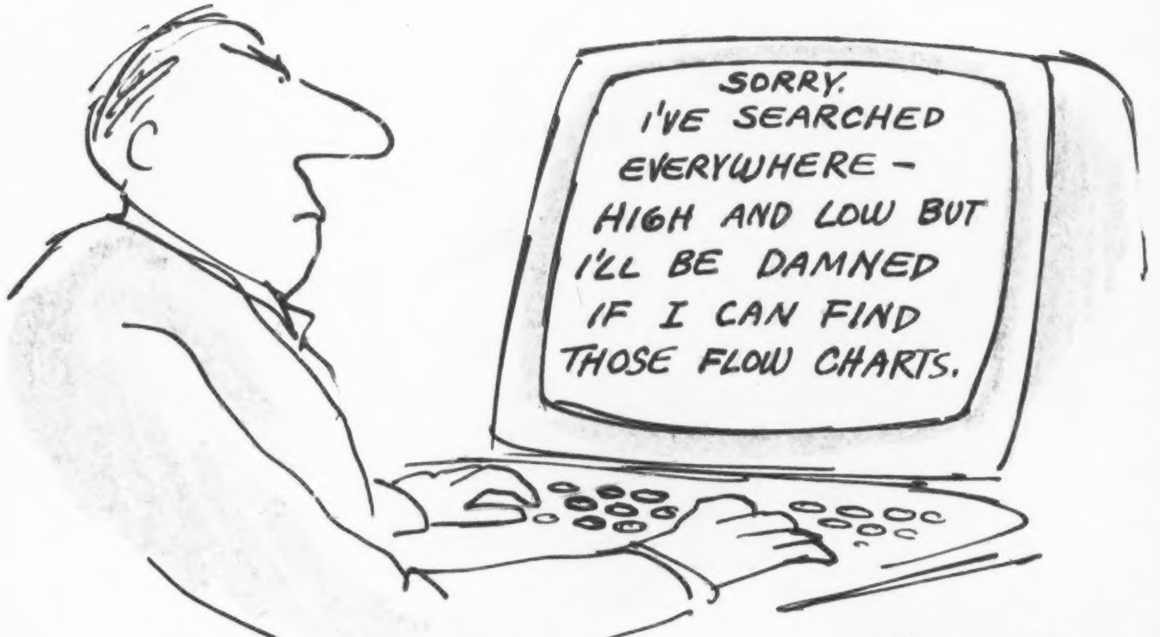
1986 S&MM Est

County SIC	Industry	Establishments Total	 Large	Shipments Receipts ($ Mil.)	% Of U S Ship Recpt	% In Large Estab
WYOMING						
Albany	**All mfg.**	9	1	33.4	.0015	29
Big Horn	**All mfg.**	7	1	42.4	.0020	29
Campbell	**All mfg.**	6	1	39.3	.0018	26
1211	*Bituminous-coal & lignite mining*	*12*	*6*	*331.8*	*2.0420*	*83*
Carbon	**All mfg.**	2	1	217.2	.0101	98
Converse	**All mfg.**	1		7.4	.0003	0
Crook	**All mfg.**	2		9.2	.0004	0
Fremont	**All mfg.**	3	1	49.8	.0023	55
Goshen	**All mfg.**	2	1	18.8	.0009	84
Hot Springs	**All mfg.**	1		15.8	.0007	0
Johnson	**All mfg.**	1		3.7	.0002	0
Laramie	**All mfg.**	20	9	497.7	.0231	90
8062	*General medical & surgical hospitals*	*4*	*4*	*65.6*	*.0363*	*100*
Lincoln	**All mfg.**	6	2	81.9	.0038	43
Natrona	**All mfg.**	22	6	891.8	.0414	51
Park	**All mfg.**	7	1	209.8	.0097	87
Platte	**All mfg.**	1		2.2	.0001	0
Sheridan	**All mfg.**	6		24.2	.0011	0
Sweetwater	**All mfg.**	6	4	215.9	.0100	96
2819	Industrial inorganic chemicals n.e.c.	1	1	138.6	.8136	100
Teton	**All mfg.**	2		7.5	.0003	0
7011	*Hotels, motels, & tourist courts*	*11*	*6*	*44.1*	*.1419*	*81*
Uinta	**All mfg.**	3		7.5	.0003	0
Washakie	**All mfg.**	6	2	91.5	.0042	73
Weston	**All mfg.**	3		112.3	.0052	0
STATE TOTAL	**All mfg.**	121	30	2,579.3	.1196	65
NATIONAL TOTAL	**All mfg.**	127,236	42,894	2,156,258.9	100.0000	82


SORRY.
I'VE SEARCHED EVERYWHERE – HIGH AND LOW BUT I'LL BE DAMNED IF I CAN FIND THOSE FLOW CHARTS.

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